

20000817.qrp v01_n916.qrl.20000817

Date: Thu, 17 Aug 2000 19:03:10 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1916

QRP-L Digest 1916

Topics covered in this issue include:

- 1) [77517] Re: emergency CW tapping...
by "Mike Yetsko" <myetsko@insydesw.com>
- 2) [77518] CW And FT-7
by "Mike Duke" <k5xu@concentric.net>
- 3) [77519] Re: Hull tapping 101
by Tom and Roxy <zikot@erie.net>
- 4) [77520] Re: Toroid Question
by Tom and Roxy <zikot@erie.net>
- 5) [77521] Re: Toroid Question
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 6) [77522] Prisoner Tap Code
by "Bruce Prior" <n7rr@hotmail.com>
- 7) [77523] Scrounging Parts
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 8) [77524] Re: Scrounging Parts
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 9) [77525] SD20 parts
by "Steve/n0tu" <n0tu@webaccess.net>
- 10) [77526] It Works!
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [77527] Re: CW filter for Yaesu FT-7?
by wb2vuo@juno.com
- 12) [77528] Re: Toroid Question
by "John J. McDonough" <wb8rcr@arrl.net>
- 13) [77529] Re: Toroid Question
by "Dan W. Dooley" <dandooley@pipeline.com>
- 14) [77530] Really, really old radio receiver.
by "Dan W. Dooley" <dandooley@pipeline.com>
- 15) [77531] re:OPS msg relay excercise
by "Paul Craig" <n3ysi@easy-pages.com>
- 16) [77532] Making the K2 a BIG DEAL in a QSO
by "Bill Todd" <zapzap73@hotmail.com>
- 17) [77533] Re: Making the K2 a BIG DEAL in a QSO
by radioham@home.com
- 18) [77534] Tec-Tec "FILTERS"
by "Jay Bromley" <w5jay@alltel.net>
- 19) [77535] Re: Toroid Question

- by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 20) [77536] NJ-QRP Homebrewer?
by "Dave Benham" <dodgeboy@mindspring.com>
- 21) [77537] Re: Making the K2 a BIG DEAL in a QSO
by "Mike Yetzko" <myetzko@insydesw.com>
- 22) [77538] Celticon 2000
by Jim Stafford <w4qo@amsat.org>
- 23) [77539] Summer Fox Hunt #11 - K0EVZ -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 24) [77540] Re: Really, really old radio receiver.
by "Scott Hotchkiss" <w4pj@bellsouth.net>
- 25) [77541] QF1 Info?
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 26) [77542] Summer Fox Hunt #12 - K7Q0 -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 27) [77543] Re: Really, really old radio receiver.
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 28) [77544] Re: QF1 Info?
by Mike Souhrada <wb9iog@revealed.net>
- 29) [77545] Re: Really, really old radio receiver.
by Randy & Cara Randall <crrandal@seidata.com>
- 30) [77546] Re: Really, really old radio receiver.
by Randy & Cara Randall <crrandal@seidata.com>
- 31) [77547] Transmission Line Modeling Reference - FREE
by "Ron McConnell" <rcmcc@lucent.com>
- 32) [77548] Re: Toroid Question
by Tom and Roxy <zikot@erie.net>
- 33) [77549] Re: Making the K2 a BIG DEAL in a QSO
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 34) [77550] Regenerative RX Use (was Re: Really, really old radio receiver.)
by Steve Yates <aa5tb@yahoo.com>
- 35) [77551] TenTec 1340 Sidetone
by "Shawn Upton" <shawn-upton@orgella.com>
- 36) [77552] Saturn and HTX-202
by "Shawn Upton" <shawn-upton@orgella.com>
- 37) [77553] Re: Toroid Question
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 38) [77554] MFJ-9040, power question
by Philip Karras <ke3fl@yahoo.com>
- 39) [77555] Wanted: Digital Volt Meter Circuit
by "Randall" <Firefox@Southwind.net>
- 40) [77556] Re: Wanted: Digital Volt Meter Circuit
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 41) [77557] CONTEST: QRP Contesting - Aug 19/20
by Ken Newman <N2CQ@citnet.com>
- 42) [77558] RE: Wanted: Digital Volt Meter Circuit
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 43) [77559] Thanks To All

by "CDF" <res043pa@gte.net>
44) [77560] Re: Proposal
by Bill Coleman AA4LR <aa4lr@radio.org>
45) [77561] BayPac BP-2M
by Duane Alles <w9zm@yahoo.com>
46) [77562] Doc K0EVZ a REAL A-1 operator
by Macstein@aol.com
47) [77563] Re: MFJ-9040, power question
by RangerSF5@aol.com
48) [77564] Re: Antenna - Ok, time to do something.
by MARTIN J STRATTON <kc2cwn@juno.com>
49) [77565] FS: Red Hot Radio NC-40 Kit
by "Randall" <Firefox@Southwind.net>
50) [77566] Re: Doc K0EVZ a REAL A-1 operator
by "Brian" <brian@iquest.net>
51) [77567] Re: QF1 Info?
by Ray Colbert <w5xe@juno.com>
52) [77568] Re: Toroid Question
by Arjen Raateland <Arjen.Raateland@vyh.fi>
53) [77569] M15 telegraph printer instal. & maint. manual
by "Robert W. Shaw" <lycott@fox.nstn.ca>
54) [77570] Re: TenTec 1340 Sidetone
by BenNW7DX@aol.com
55) [77571] Re: Doc K0EVZ a REAL A-1 operator
by "Richard E. Robinson" <rerobins@email.uncc.edu>
56) [77572] Code on the Internet
by "Robert W. Shaw" <lycott@fox.nstn.ca>
57) [77573] QRP DXing picking up
by Allan G Taylor <k7gt@qsl.net>
58) [77574] Re: Code on the Internet
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
59) [77575] LDG Electronics AT-11
by "Karl F. Larsen" <k5di@zianet.com>
60) [77576] Old regen receivers and Ross Hull
by "Richard E. Robinson" <rerobins@email.uncc.edu>
61) [77577] Re: Scrounging Parts
by "Steven Weber" <kd1jv@moose.ncia.net>
62) [77578] Re: Doc K0EVZ a REAL A-1 operator
by "Rod, N0RC" <n0rc@qsl.net>
63) [77579] Antenna Help Please
by "CDF" <res043pa@gte.net>
64) [77580] Re: Code on the Internet
by "Rick Austin" <radio@capsales.com>
65) [77581] Re: Scrounging Parts
by Bill Jones <kd7s@psnw.com>
66) [77582] Re: Scrounging Parts
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
67) [77583] Re: Scrounging Parts

by Bill Jones <kd7s@psnw.com>
68) [77584] Re: Scrounging Parts
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
69) [77585] QRP Homebrewer ... "QHB #3 Contents"
by "George Heron N2APB" <n2apb@erols.com>
70) [77586] Re: Scrounging Parts
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
71) [77587] Re: Regenerative RX Use (was Re: Really, really old radio receiver.)
by "Paul Harden, NA5N" <na5n@rt66.com>
72) [77588] RE: Doc K0EVZ a REAL A-1 operator
by "John L. Sielke" <w2agn@pobox.com>
73) [77589] Re: Antenna Help Please
by Paul Womble <pwomble1@tampabay.rr.com>
74) [77590] Somewhat OT Re: Regenerative RX Use (was Re: Really, really old radio receiver.)
by Randy & Cara Randall <crrandal@seidata.com>
75) [77591] Re: Red Hot Radio NC-40 Kit
by "Randall" <Firefox@Southwind.net>
76) [77592] Update Flavorig
by "Brian Olson" <brolson@ties.k12.mn.us>
77) [77593] Re: Antenna Help Please
by "Scott Hotchkiss" <w4pj@bellsouth.net>
78) [77594] Re: Antenna Help Please
by Ray Colbert <w5xe@juno.com>
79) [77595] Re: Antenna Help Please
by "George , W5YR" <w5yr@att.net>
80) [77596] Making the K2 a BIG DEAL in a QSO
by "Charles Mabbott" <crmabbott@mediaone.net>
81) [77597] Using NiMH Batteries
by Paul Womble <pwomble1@tampabay.rr.com>
82) [77598] Fw: Antenna Help Please
by w2xn@juno.com
83) [77599] Re: [Elecraft] s h 5
by "Damon S Raphael, MD (w7md)" <w7md@azstarnet.com>
84) [77600] Energizer e^2 Titanium Technology Cell
by "Bruce Prior" <n7rr@hotmail.com>
85) [77601] Re: [Elecraft] s h 5
by "George , W5YR" <w5yr@att.net>
86) [77602] Technical and Math Books For Sale
by Chris Trask <ctrask@primenet.com>
87) [77603] Re: Doc K0EVZ a REAL A-1 operator
by Bruce Rattray <rattray@gpfn.sk.ca>
88) [77604] Re: Making the K2 a BIG DEAL in a QSO
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
89) [77605] Re: Energizer e^2 Titanium Technology Cell
by Allan G Taylor <k7gt@qsl.net>
90) [77606] Re: [Elecraft] s h 5
by Allan G Taylor <k7gt@qsl.net>

- 91) [77607] Re: Old regen receivers and Ross Hull
by "Mike Branca" <w3irz@att.net>
92) [77608] Re: [Elecraft] s h 5
by Macstein@aol.com
93) [77609] Re: [Elecraft] s h 5
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
94) [77610] Re: Somewhat OT Re: Regerative RX Use (was Re: Really, really old
radio receiver.)
by George F Franklin <w0av@juno.com>

Date: Wed, 16 Aug 2000 19:02:50 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <TomRScott@Sterlink.net>, <QRP-1@Lehigh.EDU>
Subject: [77517] Re: emergency CW tapping...
Message-ID: <00ee01c007d6\$1cad7760\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The CNN articles, still on the CNN web site, said that they communicated via radio. When the radio failed, they switched to 'tapping' on the hull. At no time that I recall did they specify CW.

But what's the point? CW is technically a radio term.

Morse Code is a term for dots and dashes to convey information. Depending on which version of the Morse code at what time in history you can find dots and spaces with few dashes, or a mix of dots and dashes. Dot only would be a form of the Morse code, just not one that Samuel Morse actually used or promoted. It's still Morse Code in the sense that it's using the concept he deveolped.

And in that sense, every POW knows the POW code, the series of taps for letters and numbers from a grid. Again, just another conceptual form of Samuel Morse's idea.

Don't let yourself or your students fall into the trap of thinking that the Morse Code as used in HAM radio CW operations is "the" Morse Code or anything really special. It's just the most popular currently used implementation.

Mike

Date: Wed, 16 Aug 2000 19:34:19 -0400
From: Tom and Roxy <zikot@erie.net>
To: KF4YYD@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77519] Re: Hull tapping 101
Message-ID: <3.0.5.32.20000816193419.00835100@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From one ex-Navy Radioman (Skimmer) Morse Code operator, DITTO!

73's es gud DX!

Tom & Roxanne

At 05:35 PM 8/16/00 EDT, KF4YYD@aol.com wrote:

>All the radio men I served with knew Morse, they may not of been pros at
it but they knew it. I agree with Paul NA5N, as a former member of the
"Silent Service" my heart goes out for them.

>
>Tom ET2(ss)
>
>

Date: Wed, 16 Aug 2000 19:50:14 -0400
From: Tom and Roxy <zikot@erie.net>
To: qrp-l@Lehigh.EDU
Subject: [77520] Re: Toroid Question
Message-ID: <3.0.5.32.20000816195014.00839420@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow! Thank you, one and all, for your input about toroid
coil forms. I guess I will call that "QRP-L Toroid 101"
I have never worked with toroids since I just got into
attempting to homebrew a xmtr or receiver in the last
six months. I looked through the toroids that I have an
they are all green! Hummmm.. can I paint it red.. JK!!
.... ..

Any, thanks agn for everyone input and now my quest it

to try and come up with a red toroid or one close to it by Saturday.

Question: Does it have to be a toroid? Could I not just wind an air coil to get the same uh or mh value?

I guess it is not that simple....

The T50-2 toroid in the FET-1 xcvr schematic only specifies 14 turns, no AWG#, and I assume #24 or #25 AWG would work. Could I simply calculate what the uh or mh value is for this toroid and make a air would coil with the same value or possibly calculate the turn # and use the green toroid that I have.

Sorry for the band width but I would like to try my hand at building the FET-1 this Saturday and am searching for an alternative to a T50-2 toroid.

73's es gud DX!

Tom & Roxanne
WA1VAI/3

Date: Wed, 16 Aug 2000 20:06:51 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [77521] Re: Toroid Question
Message-ID: <008401c007df\$0bbbbeaa0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> they are all green! Hummmm.. can I paint it red.. JK!!
>

Tom,

Spoken like a true experimenter!

> Any, thanks agn for everyone input and now my quest it
> to try and come up with a red toroid or one close to
> it by Saturday.
>

> Question: Does it have to be a toroid? Could I not just
> wind an air coil to get the same uh or mh value?

Well, yes, but...

The reason for using an iron core is to get a lot of inductance without using a lot of wire. You -can- make a coil with an equivalent inductance, but it'll be big, ungainly, and may have a lower Q than you want. Also, toroids are less likely to be influenced by external magnetic fields or proximity to other conductors.

I've often wished somebody would write an article on how to homebrew without using toroids, for those of us who are toroidally challenged. It's true that the cores are inexpensive, but they're not available locally in most areas and paying shipping and handling charges (and possibly a minimum purchase amount) makes them less inexpensive.

Maybe I'll write it myself. I'll call it "Overthrowing the Tyrannical Toroid." The problem is, they're just about perfect for the jobs we do!

> The T50-2 toroid in the FET-1 xcvr schematic only specifies
> 14 turns, no AWG#, and I assume #24 or #25 AWG would work.
> Could I simply calculate what the uh or mh value is for this
> toroid and make a air would coil with the same value or
> possibly calculate the turn # and use the green toroid that
> I have.

Once you determine the inductance called for in the original circuit, you can make an equivalent part that way if you can figure out the uH per turn of the cores you have AND the core material is suitable for the frequencies involved. The wire size doesn't make a lot of difference, as long as you can fit enough turns onto the core. (Smaller wire may have a slightly higher series resistance, which will affect the Q of the inductor, but for your circuit I don't think it'll be a big problem.)

Dave

Date: Thu, 17 Aug 2000 00:13:09 GMT
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [77522] Prisoner Tap Code
Message-ID: <F4e5f6WVY5jVkjA2DJx00001f91@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I learned the prisoner tap code during an unclassified security briefing in the Foreign Service. It's more primitive than Morse and much slower, but it works. First, you construct a 5 x 5 matrix of the English alphabet, skipping the letter K. For any word with K in it, use C:

A	B	C	D	E
F	G	H	I	J
L	M	N	O	P
Q	R	S	T	U
V	W	X	Y	Z

The rule is Row, then column.

So, the word "AMATEUR" would be:

TAP pause TAP long pause = A

TAP TAP TAP pause TAP TAP long pause = M

TAP pause TAP long pause = A

TAP TAP TAP TAP pause TAP TAP TAP TAP long pause = T

TAP pause TAP TAP TAP TAP TAP long pause = E

TAP TAP TAP TAP pause TAP TAP TAP TAP long pause = U

TAP TAP TAP TAP pause TAP TAP = R

Another way to think about the matrix is to number the rows and columns and then you just send the taps according to their intersections:

+	1	2	3	4	5
1	A	B	C	D	E
2	F	G	H	I	J
3	L	M	N	O	P
4	Q	R	S	T	U
5	V	W	X	Y	Z

The Russian form of the the Cyrillic alphabet contains 32 ordinary letters, not counting the seldom-used E with an umlaut above it. I suppose that gulag inhabitants worked out some form of a similar matrix, maybe 4 x 8 or 6 x 6 with the last row incomplete. Now, the question is whether any of the submariners were former gulag inhabitants. I doubt it.

The old landline telegraph Morse was also a sort of tap code, but the make and break taps actually sounded different on a real sounder, sort of CLICK CLACK.

Let's hope they're rescued and can tell us all about it!

Bruce Prior N7RR in Blaine, WA

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 17 Aug 2000 10:27:37 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77523] Scrounging Parts
Message-ID: <399B3179.9E36A636@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Gang,

QRP'ers are inveterate scroungers of parts. This morning I was asked this question:

<snip>

Can those little inductors found in quantity in TVs and computer monitors be used as RF chokes? How can you tell? These inductors measure less than 1 uH to over 10 mH, have resistances of milliohms to several ohms and appear to be wound on a ferrite core of some sort (NOT A TORROID, BUT CYLINDER AND BOBBIN SHAPED). I HAVE ACCESS TO LOTS OF TEST EQUIPMENT I CAN USE TO DETERMINE THE PROPERTIES OF "CHOKES". In addition, some of these inductors have a small disk-shaped permanent magnet attached to one end of the core. Pulling off the magnet makes the inductance of the coil increase. What's the purpose of the magnet?

</snip>

It's the last two sentences which have thrown me - can anyone throw any light on it?

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
URL - <http://www.electronics-tutorials.com/>

Date: Wed, 16 Aug 2000 20:34:34 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [77524] Re: Scrounging Parts
Message-ID: <009601c007e2\$eb080ab0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> Can those little inductors found in quantity in TVs and computer
> monitors be used as RF chokes? How can you tell? These inductors
> measure less than 1 uH to over 10 mH, have resistances of milliohms to
> several ohms and appear to be wound on a ferrite core of some sort (NOT
> A TORROID, BUT CYLINDER AND BOBBIN SHAPED). I HAVE
> ACCESS TO LOTS OF TEST EQUIPMENT I CAN USE TO DETERMINE THE PROPERTIES
> OF "CHOKES". In addition, some of these inductors have a small
> disk-shaped permanent magnet attached to one end of the core. Pulling
> off the magnet makes the inductance of the coil increase. What's the
> purpose of the magnet?
>
> </snip>
>
> It's the last two sentences which have thrown me - can anyone throw any
> light on it?

Ian,

That wouldn't be a little board-mounted speaker, would it? I've seen them
that were just a metal disk clinging to a permanent magnet with a wire wound
around it.

Just a thought...

Dave

Date: Wed, 16 Aug 2000 18:43:09 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [77525] SD20 parts
Message-ID: <000301c007e4\$1e68daa0\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

THANKS Folks! For the helpful info!

I've discovered the reason my SD20 mast broke. The hose-clamp attachment method did distort and cause a weak point to occur. Which was exactly where the mast folded over and broke off completely! The 300 ohm feedline was all that kept it from dropping to the ground.

Sooo, I've decided w/QRP-L helpful info to remove the end cap from my other SD20 base section (which isn't broken) and slide it down 12-18" into the 40' mast. Drill a few holes to secure a support plug and pack the empty space between the SD20 and supporting mast with nylon rope, duck tape or something to secure the SD20 from rotating and jumping out of its support. But no sharp edges to cause a SD20 failure again. My 60'+ high CF zep will fly again!!

Thanks, Steve/n0tu

Date: Wed, 16 Aug 2000 18:41:41 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77526] It Works!
Message-ID: <Pine.LNX.4.10.10008161832210.2126-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just got the 2 2SC2166 transistors mounted on the 2 inch heat sink and turned on the Ten Tec Argonaut 509 and to my amazement it came up normal. I had the drive control turned full ccw and I was making zero power.

Then I turned up the drive very slowly and the forward power started to rise! I got it to full scale and stopped. I felt the heat sink and it was cold. So then I up power to 2 watts. The drive control was about 30 % up. Still a cold heat sink so went up to 5 watts. Ran it there key down for 2 minutes. Still no real heatup of the little heat sink.

For a quick test I ran drive full up and the output power is 10 watts! To make things clear, I just changed the transistors. Nothing else. Boy it sure looks like a lot of luck today.

Hope this makes it, my ISP has been down for 18 hours!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 16 Aug 2000 21:12:27 -0400
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [77527] Re: CW filter for Yaesu FT-7?
Message-ID: <20000816.211452.-292843.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Fox-Tango filters were available for the FT-7, and in the distant past (early 80's) Fox-Tango had a filter switching board for the CW and SSB filters.

The board was a set of diode switches, and was activated by hardwiring the noise blanker on and utilizing the NB switch for a Narrow/Wide filter switch.

I do not know if the equivalent filters are still available, but the filters for the FT-301 series of rigs have the same center frequency and characteristics.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 16 Aug 2000 21:31:07 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <zikot@erie.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77528] Re: Toroid Question

Message-ID: <007701c007ea\$d1f65f60\$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Tom and Roxy <zikot@erie.net>
Subject: Re: Toroid Question

>Question: Does it have to be a toroid? Could I not just
> wind an air coil to get the same uh or mh value?

In general, of course. However, the air inductor would tend to be quite a bit larger, and in order to support it without some sort of coil form, would probably need to be a fairly large guage wire. They do look nice, tho, if big, and will probably end up with a higher Q than the toroid.

>The T50-2 toroid in the FET-1 xcvr schematic only specifies
>14 turns, no AWG#, and I assume #24 or #25 AWG would work.

You use whatever wire gage fits nicely for the number of turns. Of course, if it weren't a QRP rig you'd be worrying about current carrying capability, but for a couple of watts...

>Could I simply calculate what the uh or mh value is for this
>toroid and make a air would coil with the same value or
>possibly calculate the turn # and use the green toroid that
>I have.

Green toroids are pretty rare in amateur service. I expect either they are lossy or have a frequency range inappropriate for amateur use. Since they are rare, I would be suspicious of the permeability.

There actually is no standard color coding. It happens that almost all toroids amateurs use are from MicroMetals, and MicroMetals has a code for toroids sold into hobbyist service. Even MicroMetals has another code for industrial toroids, so you need to be a bit suspicious of an odd color. Since almost all the powdered irons used are either -2 or -6, it's generally a good bet if you see a red toroid it's a -2. But if it's green or blue or some other color, you better be a little more careful.

>Sorry for the band width but I would like to try my hand at
>building the FET-1 this Saturday and am searching for an
>alternative to a T50-2 toroid.

If you need a few toroids in a hurry, radioshack.com seems to be the best bet. Their prices for powdered iron are similar to Amidon or Palomar (more expensive than Dan's) but they have no minimum order, reasonable shipping for small orders, and quick delivery. Their ferrite prices are very good. Their shipping is dependent on the price of your order, however, and when you start getting around \$50 worth of stuff, other places do better. Generally Dan's has the best prices on this stuff, but he only deals by snail mail, so it's a long wait.

Shouldn't be rocket science to recalculate to use an air coil, but it will be large, and you need to pay careful attention to layout since the coils will talk to each other, not generally a problem with toroids.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 16 Aug 2000 21:10:03 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [77529] Re: Toroid Question
Message-ID: <003601c007f0\$45b35520\$0400a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I for one, and I'll bet a lot of others as well, would be more than grateful if you did us such a service.

Are you sorry you volunteered yourself for such a project? <grin>

Remember, before the days of toroids, all coils were built the "old fashioned" way - on cylindrical forms or air wound. Just made for bigger radios.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "David Hinerman" <dlh1009@ritvax.isc.rit.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 16, 2000 7:06 PM
Subject: Re: Toroid Question

>
> I've often wished somebody would write an article on how to homebrew
without
> using toroids, for those of us who are toroidally challenged. It's true
that
> the cores are inexpensive, but they're not available locally in most areas
> and paying shipping and handling charges (and possibly a minimum purchase
> amount) makes them less inexpensive.
>
> Maybe I'll write it myself. I'll call it "Overthrowing the Tyrannical
> Toroid." The problem is, they're just about perfect for the jobs we do!
>

Date: Wed, 16 Aug 2000 21:24:14 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [77530] Really, really old radio receiver.
Message-ID: <004201c007f2\$4112b900\$0400a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking through an antique store today in Oklahoma I came across an old what
looked to me like an old regen receiver. Dated about 1922. Am I having
regrets about not having bought it?

It looked in real good condition, in a wooden box with a hinged top. Now,
it was only today, you'd think I'd have remembered who it was made by.....

Inside the lid was a set of instructions on a paper label. Talked about
adjusting the tickler (coil?) and other adjustments which might have been
regen. controls. There was a tube set inside of it toward the upper right.
Set down inside, just the top 3/4" or so of the tube showed. Terminal post
on the sides for batteries and antennas - one for "long wave" the other for
shortwave (think it said). Box might have been 8" x 6" x 6" or so.
Filament rheostat, and to the lower right, a rotatable slider type control

and on the label it said something to the effect that should be used by a licensed amateur or radio experimenter.

Selling for on the order of \$185. I was afraid my wife might send me packing with the thing, if I really could not explain to her a good reason for spending that money.

Hmm, maybe I'll stop by that store again tomorrow.....

Anyone ever seen anything like this?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandoooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

Date: Wed, 16 Aug 2000 22:41:40 -0400
From: "Paul Craig" <n3ysi@easy-pages.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77531] re:OPS msg relay excercise
Message-ID: <000e01c007f4\$acccee20\$7e466acf@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello to all,

I don't usually post to the list preferring to read some and to delete allot, but Alan's post on message relay touched upon a subject near and dear to my heart. I am the Eastern Pennsylvania Section Traffic manager and as such, I handle quite a bit of formal message traffic from day to day. The vast majority of this traffic through my station is via CW on a Ten Tec 515 at the full 5W to a 275' horizontal loop on 80 meters - yup, even during the summer. Few stations I relay with are aware that I am QRP nor can they discern my signal as being weak (this being even harder to detect during summer months when conditions really stink). Now granted, the relays are no more than 200-300 miles at most but never-the-less, more than 2000 messages went through in that manner last year. I think Al and any skeptics out there will be pleasantly surprised to find how accurate low power message handling can be, especially if you follow the NTS standard message format and handling practices allowing fills. IMHO low power operation is already proven as an effective means for emergency communications.

Just my 2 cents.

72 de n3ysi

Paul in Quakertown, PA

Date: Thu, 17 Aug 2000 02:47:00 GMT
From: "Bill Todd" <zapzap73@hotmail.com>
To: qrp-l@lehigh.edu
Cc: nwq-l@scn.org
Subject: [77532] Making the K2 a BIG DEAL in a QSO
Message-ID: <LAW2-F275pLXa1fa3Q800001f92@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hello group -

I don't post on the QRP-L much anymore...but I just HAD to say something that has been bugging me for awhile.

Question: Is anyone a little tired of people telling you in a QSO that they happen to be using a K2, and you get the feeling that they want to make that FACT the subject of the QSO?

Givemeabreak. The fact that a person is using a K2 or a P3 or a X5 is interesting...sure, but come on people. Certainly you don't want to be congratulated do you? Sure, I'd love to have a K2 too, but the fact that I am using a NW20, a OHR500, or a KWM2 is not all that important now, is it? The imporant thing is that we are communicating at 5 watts or less.

It gets to the point that when a guy tells me he is using a K2, I say to myself "here it comes again", and sure enough, the op on the other end wants to (no other word seems to fit here) "brag" to you about his wonderful radio.

Enough Already folks...

Give us non-K2 operators a break and tell us about your wife, your dog, your bad back, or even the weather for a change.

Disclaimer: I think the K2 is a great rig.

Thanks!
Bill-N7MFB

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Wed, 16 Aug 2000 23:00:09 -0400
From: radioham@home.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77533] Re: Making the K2 a BIG DEAL in a QSO
Message-ID: <3.0.6.32.20000816230009.007b1930@24.2.2.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To K2 or Knot to K2???

A dilemma?? Not really. I always thought we took great pride in the rigs we use and do make that a major point in any QSO, especially QRP CW. I don't own a K-2, may some day, but I'm sure I'll be as proud of it as I am to send - rig hr is Heath HW-9 at 4 wts QRP. Folks tend to come back and tell about their Heath experiences and the fun they had with this type of rig. Great conversation opener. I really think it's a lot more classy to say your rig is a K-2, a Heath, an OHR or any other kit or homebrew rig rather than saying - rig hr is YaeKenwd 1000MP w/Titan amp running 1KW. Not much skill or anything to discuss in that in that (except maybe trading RF burn stories).

Anyone want to trade a K-2 for a complete, and I mean complete, HW-9 station ;-)????

72/73,

Steve, N4EUK
Reston, VA

Date: Wed, 16 Aug 2000 22:13:13 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [77534] Tec-Tec "FILTERS"
Message-ID: <011d01c007f9\$1e11ad60\$1c9b66a6@w5jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,
I would love to hear about experiences using Inrad (International Radio) filters in Ten-Tec radios and how they compare to the stock Ten-Tec filters.

Thanks and 73 de w5jay..

Fort Smith QRP Group
Fort Smith, Ar.

Date: Wed, 16 Aug 2000 23:16:21 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l@lehigh.edu
Subject: [77535] Re: Toroid Question
Message-ID: <3.0.6.32.20000816231621.0079aaa0@vmsspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:10 PM 8/16/00 -0500, you wrote:

>I for one, and I'll bet a lot of others as well, would be more than grateful
>if you did us such a service.

>

>Are you sorry you volunteered yourself for such a project? <grin>

Dan,

I'm an engineer - I don't know when to keep my mouth shut. (Grin) Of course, I
-have- had a couple articles published because of my big mouth... we'll see. If I
do write something, I probably won't mention it here because there are people who
really KNOW this stuff.

>Remember, before the days of toroids, all coils were built the "old
>fashioned" way - on cylindrical forms or air wound. Just made for bigger
>radios.

When I was first licensed (mid 70s) I bought a Handbook and another ARRL book for
beginners - Understanding Amateur Radio, maybe? - that had a number of articles
that called for B & W (and now & then Air Dux) coil stock. I got busy with other
things after that (finish high school, college, get married, have kids...) and
when I got back to it everything was using T50-2s and FT37-43s.

At least everything is smaller & lighter now. (Grin)

Dave

Date: Wed, 16 Aug 2000 23:24:40 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [77536] NJ-QRP Homebrewer?
Message-ID: <007001c007fa\$af4ab0a0\$a7d279a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Recently someone posted a question about the New Jersey QRP Club and what happened to the Homebrewer publication. I never saw a response to that and am wondering myself about the HB. I did not receive the Spring edition or the Summer edition, if there were ones.

Also, I cannot bring up their web site or their temporary web site which was used some time ago while the main site relocated.

Does anyone know what's going on here?

Dave K8TRF

Date: Wed, 16 Aug 2000 23:32:55 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <zapzap73@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77537] Re: Making the K2 a BIG DEAL in a QSO
Message-ID: <001f01c007fb\$d9152040\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Really, is it the K2 people, or just that you NOTICE the K2 people?
I would think that anyone who builds and operates their own radio would be this way. And the better results, the more proud if it they are.

And since the K2...

Opps, better not go there.

Ok, My wife came home and said she was tiered of living a lie.
We're divorced, she's remarried in less than, well, not much time..

The golden retriever died (but my daughter came home with a kitten)

And while I don't have my son, I DO now have custody of my daughter!!

And this last week the weather was worst that the situation with the ex-wife and the dog.

Mike N1DVJ

(And can I say... K2#1058?)

(Now with ATU!!)

(Oh oh, Bill was RIGHT!)

> Hello group -

>

> I don't post on the QRP-L much anymore...but I just HAD to say something
> that has been bugging me for awhile.

>

> Question: Is anyone a little tired of people telling you in a QS0 that they

> happen to be using a K2, and you get the feeling that they want to make that

> FACT the subject of the QS0?

>

> Givemeabreak. The fact that a person is using a K2 or a P3 or a X5 is
> interesting...sure, but come on people. Certainly you don't want to be
> congratulated do you? Sure, I'd love to have a K2 too, but the fact that I

> am using a NW20, a OHR500, or a KWM2 is not all that important now, is it?

> The imporant thing is that we are communicating at 5 watts or less.

>

> It gets to the point that when a guy tells me he is using a K2, I say to
> myself "here it comes again", and sure enough, the op on the other end wants

> to (no other word seems to fit here) "brag" to you about his wonderful
> radio.

>

> Enough Already folks...

> Give us non-K2 operators a break and tell us about your wife, your dog,
your

> bad back, or even the weather for a change.

>

> Disclaimer: I think the K2 is a great rig.

>

> Thanks!

> Bill-N7MFB

>

>

> -----

> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>
>
>

Date: Wed, 16 Aug 2000 23:36:06 -0400
From: Jim Stafford <w4qo@amsat.org>
To: qrp-l list <qrp-l@lehigh.edu>
Subject: [77538] Celticon 2000
Message-ID: <399B5DA6.2322B639@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

A couple of us have started a thread on the QRP Forum about going to Celticon. If you are going, please join us:
<http://www.e-discounter.net/qrparci/>

--
Jim Stafford/W4Q0/President QRP ARCI
The Thrill is Back - QRP Is! 77 -993-95
<http://www.qrparci.org> w4qo@arrl.net
<http://www.qrparci.org/pix/arci050.gif>

Date: Wed, 16 Aug 2000 21:41:41 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [77539] Summer Fox Hunt #11 - K0EVZ -
Message-ID: <Pine.LNX.3.95.1000816213937.11177A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

- TEAM COMPETITION -

- (1) - SWAMP RATS: Pts=48
 - K0EVZ - Doc <-
 - NV4V - Pete
 - AF4PS - Mac <-
 - AJ4Y - Paul<-

- N1TP - Tom <-

(2) - QRP CHEESEHEADS: Pts=7

- N9AW - Jerry
- NK9G - Rick
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=20

- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce
- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=19

- KB9BVN - Brian
- N8IE - Dan
- W8DIZ - Diz
- WB6JBM - Rick
- AC7CF - Andrew

(5) - GANDALF the GREY:

- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=48

- N1FN - Marshall
- N5TW - Tom <-
- WJ1R - Larry
- NW7DX - Ben <-
- N6WG - Bob <-

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 16 Aug 2000 23:52:05 -0400
From: "Scott Hotchkiss" <w4pj@bellsouth.net>
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77540] Re: Really, really old radio receiver.
Message-ID: <003a01c007fe\$843aaf60\$86d04dd8@w4pj>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Offer him \$100 <grin>
Let the bargaining begin!
de W4PJ

Scott R. Hotchkiss
Fort Lauderdale, Florida
----- Original Message -----

From: "Dan W. Dooley" <dandooley@pipeline.com>> <SNIP>
> Selling for on the order of \$185.
> Hmm, maybe I'll stop by that store again tomorrow.....

Date: Wed, 16 Aug 2000 21:50:29 -0600
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-1@Lehigh.EDU
Subject: [77541] QF1 Info?
Message-ID: <1.5.4.16.20000816215106.1b9f7864@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Going through a cardboard box I carried home from a fleamarked many moons ago I came across a small box with the following on it:

SHORTWAVE
INTERFERENCE
IC FILTER-QF1
AUTEK RESEARCH

This looks like an active audio (Q-multiplier?) filter has controls for Sensitivity, Frequency and Peak-Notch-Lowpass plus the ON/OFF switch.

Have not plugged it in yet but was wondering if anyone had any info on the thing. Hate to sacrifice the box for a project if the thing works as it should and could be used.

72 de Niels
VE6NJK/TF3NJ

Date: Wed, 16 Aug 2000 21:52:41 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [77542] Summer Fox Hunt #12 - K7Q0 -
Message-ID: <Pine.LNX.3.95.1000816215040.12740A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

- TEAM COMPETITION -

(1) - SWAMP RATS: Pts=50

- K0EVZ - Doc <-
- NV4V - Pete
- AF4PS - Mac
- AJ4Y - Paul <-
- N1TP - Tom

(2) - QRP CHEESEHEADS: Pts=7

- N9AW - Jerry
- NK9G - Rick
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=22

- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce <-
- VE6JAZ - Robert

- (4) - THE FLYING PIGS: Pts=19
 - KB9BVN - Brian
 - N8IE - Dan
 - W8DIZ - Diz
 - WB6JBM - Rick
 - AC7CF - Andrew
- (5) - GANDALF the GREY:
 - G0JJQ - Wayne
- (6) - BIG DAWGS: Pts=53 "Clean Sweep"
 - N1FN - Marshall <-
 - N5TW - Tom <-
 - WJ1R - Larry <-
 - NW7DX - Ben <-
 - N6WG - Bob <-

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 16 Aug 2000 21:56:09 -0600
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [77543] Re: Really, really old radio receiver.
Message-ID: <1.5.4.16.20000816215646.1a1f17b8@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

What!!!!

You mean you didn't buy it?

Remember: IT IS EASIER TO FORGIVENESS THAN PERMISSION.

72 de Niels
VE6NJK/TF3NJ
Calgary, AB
CANADA

>From: "Dan W. Dooley" <dandooley@pipeline.com>> <SNIP>
> Selling for on the order of \$185. =20
> Hmm, maybe I'll stop by that store again tomorrow.....
>
>
>
>

Date: Wed, 16 Aug 2000 23:16:35 -0500
From: Mike Souhrada <wb9iog@revealed.net>
To: nkristja@cadvision.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77544] Re: QF1 Info?
Message-ID: <399B6723.7CE38B8E@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hang on to it!
Plug the input to the phone jack in series with a phone or
speaker and turn it on.
BTW mine says
IC ACTIVE
FILTER QF1

Should be the same thing. Works wonders cleaning up an
audio signal. Not in the DSP class but sure will do the
job. Better than the old style Q multiplier and will
allow you to hear a signal you might not be able to
with ordinary equipment. There is a bit of "art" to using
it , that comes with use.
Mike
Iowa

Niels Jensen Kristjansson wrote:

>
> Hi gang,
>
> Going through a cardboard box I carried home from a fleamarked many moons
> ago I came across a small box with the following on it:
>
> SHORTWAVE
> INTERFERENCE
> IC FILTER-QF1
> AUTEK RESEARCH
>
> This looks like an active audio (Q-multiplier?) filter has controls for
> Sensitivity, Frequency and Peak-Notch-Lowpass plus the ON/OFF switch.
>
> H

Date: Wed, 16 Aug 2000 23:19:18 -0500
From: Randy & Cara Randall <ccrrandal@seidata.com>
To: dandoooley@pipeline.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77545] Re: Really, really old radio receiver.
Message-ID: <399B67C6.FB62F915@seidata.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It sounds like either a Radiola Senior 1923 made for RCA by Westinghouse, uses a WD-11 tube or an Aeriola Senior 1922 made also for RCA by Westinghouse, also a WD-11. Take an ohm meter with you and check the tube filament for continuity. A good tube is worth \$50.00 to 80.00 by its self. Good WD-11's are getting hard to find and expensive! If the tube is good then it is a good buy. If not, talk them down in price. Nice examples of sets of that era are getting harder to find all the time. The A battery is 1.5V @ .25A and the B is 22.5 to 45V. 3 9V transistor batteries in series work well. Be sure to use 2000 ohm headsets with this radio. If you use low impedance ones you WILL ruin that WD-11.

73
Randy KB8AS0

"Dan W. Dooley" wrote:

> Looking through an antique store today in Oklahoma I came across an old what
> looked to me like an old regen receiver. Dated about 1922. Am I having

> regrets about not having bought it?
>
> It looked in real good condition, in a wooden box with a hinged top. Now,
> it was only today, you'd think I'd have remembered who it was made by.....
>
> Inside the lid was a set of instructions on a paper label. Talked about
> adjusting the tickler (coil?) and other adjustments which might have been
> regen. controls. There was a tube set inside of it toward the upper right.
> Set down inside, just the top 3/4" or so of the tube showed. Terminal post
> on the sides for batteries and antennas - one for "long wave" the other for
> shortwave (think it said). Box might have been 8" x 6" x 6" or so.
> Filament rheostat, and to the lower right, a rotatable slider type control
> and on the label it said something to the effect that should be used by a
> licensed amateur or radio experimenter.
>
> Selling for on the order of \$185. I was afraid my wife might send me
> packing with the thing, if I really could not explain to her a good reason
> for spending that money.
>
> Hmm, maybe I'll stop by that store again tomorrow.....
>
> Anyone ever seen anything like this?
>
> Dan W. Dooley WB5TKA Bedford, Texas EM12ku
> e-mail to: dandoooley@pipeline.com
> SOC #198, FPQRP # -104
> May Goddes love blest ye alle
> "Ancient Pistol, I do partly understand your meaning."

--

"No one gives an oink about prom night or football, 'cause just gettin' home
from school safe is a gamble and a blessing..."--Billion Dollar Babies, Alice
Cooper

Date: Wed, 16 Aug 2000 23:27:02 -0500
From: Randy & Cara Randall <rrrandal@seidata.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77546] Re: Really, really old radio receiver.
Message-ID: <399B6996.35CB430B@seidata.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Almost forgot. When you adjust the regen. control too far, you ARE xmitting a CW signal on the frequency that the set is tuned to. This was a really big problem in the cities in the twenties. Regen sets caused a lot of interference back then. You could be operating QRP and not even know it!

Randy KB8ASO

Randy & Cara Randall wrote:

> It sounds like either a Radiola Senior 1923 made for RCA by Westinghouse, uses
> a WD-11 tube or an Aeriola Senior 1922 made also for RCA by Westinghouse, also
> a WD-11. Take an ohm meter with you and check the tube filament for
> continuity. A good tube is worth \$50.00 to 80.00 by its self. Good WD-11's are
> getting hard to find and expensive! If the tube is good then it is a good
> buy. If not, talk them down in price. Nice examples of sets of that era are
> getting harder to find all the time. The A battery is 1.5V @ .25A and the B is
> 22.5 to 45V. 3 9V transistor batteries in series work well. Be sure to use
> 2000 ohm headsets with this radio. If you use low impedance ones you WILL ruin
> that WD-11.
>
> 73
> Randy KB8ASO
>
> "Dan W. Dooley" wrote:
>
> > Looking through an antique store today in Oklahoma I came across an old what
> > looked to me like an old regen receiver. Dated about 1922. Am I having
> > regrets about not having bought it?
> >
> > It looked in real good condition, in a wooden box with a hinged top. Now,
> > it was only today, you'd think I'd have remembered who it was made by.....
> >
> > Inside the lid was a set of instructions on a paper label. Talked about
> > adjusting the tickler (coil?) and other adjustments which might have been
> > regen. controls. There was a tube set inside of it toward the upper right.
> > Set down inside, just the top 3/4" or so of the tube showed. Terminal post
> > on the sides for batteries and antennas - one for "long wave" the other for
> > shortwave (think it said). Box might have been 8" x 6" x 6" or so.
> > Filament rheostat, and to the lower right, a rotatable slider type control
> > and on the label it said something to the effect that should be used by a
> > licensed amateur or radio experimenter.
> >
> > Selling for on the order of \$185. I was afraid my wife might send me

> > packing with the thing, if I really could not explain to her a good reason
> > for spending that money.
> >
> > Hmm, maybe I'll stop by that store again tomorrow.....
> >
> > Anyone ever seen anything like this?
> >
> > Dan W. Dooley WB5TKA Bedford, Texas EM12ku
> > e-mail to: dandoooley@pipeline.com
> > SOC #198, FPQRP # -104
> > May Goddes love blest ye alle
> > "Ancient Pistol, I do partly understand your meaning."
>
> --
>
> "No one gives an oink about prom night or football, 'cause just gettin' home
> from school safe is a gamble and a blessing..."--Billion Dollar Babies, Alice
> Cooper

--

Date: Thu, 17 Aug 2000 03:21:35 -0400
From: "Ron McConnell" <rcmcc@lucent.com>
To: "'George-VE3ERP Murphy'" <ve3erp@encode.com>, "'Gary-N3GO O'Neill'"
<n3go@us.ibm.com>, "'Ed-W1RFI Hare'" <w1rfi@arrl.org>, "'QRP-L'" <qrp-
l@lehigh.edu>,
 <w2du@iag.net>, <w2fmi@qsl.net>, <g4fgq.regp@btinternet.com>, <cebik@utk.edu>
Cc: "'X-w2iol'" <w2iol@arrl.net>, <njqrp@njqrp.net>
Subject: [77547] Transmission Line Modeling Reference - FREE
Message-ID: <001d01c0081b\$f15829c0\$8b28ff87@nj7460rcmcc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those interested in modeling transmission lines:

xDSL standards group T1E1.4, which develops the
physical layer standards (dB, volts, amps, Mb/s, MHz,...)

for DSL, HDSL, ADSL, VDSL, inline filters
(formerly microfilters), etc.,
is nearly ready to publish a North American
standard on spectral compatibility and management
for mixing all of these different systems in
the same telephone cable. 90+ pages of the
document would be of interest to only serious
twisted pair telephone transmission fanatics.
Don't print those out.

BUT, Annex B is a 40 page reference on modeling
transmission lines, wire pairs in particular.
Models are included for modeling common telephone
cables including Category 5 from 5 kHz to 30 MHz
for 70 degF. They are intended to be within +/-
a dB or two for many kft for many MHz signals.

Anyone can download a copy from the Committee T1 web site

<http://www.t1.org>

Click "C Current Letter Ballots"

Click "Closed"

Click on the blue "lb869.pdf"

(They aren't quite in numerical order. ??)
file size = 1490947

I just checked the link by clicking on my typing
above to be sure it works.

If you find any mistakes,
PLEASE LET ME KNOW ASAP!
It will be published in October.

Have fun.

There will be a quiz. :-)

Ed Hare, W1RFI, at ARRL has been working with T1E1.4
the last few years on xDSL RFI ingress and egress.

Cheers, 73,

Ron McConnell
w2iol@arrl.net
T1E1.4 Secretary

Date: Thu, 17 Aug 2000 06:35:30 -0400
From: Tom and Roxy <zikot@erie.net>
To: qrp-l@Lehigh.EDU
Subject: [77548] Re: Toroid Question
Message-ID: <3.0.5.32.20000817063530.0080a9b0@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks again to everyone for all the input. I guess in most cases the simple answer is the correct one, sounds like a quote from the Jody Foster movie "Contact". HI

With all this info as ammo I am going to attempt to wind a air coil the has the fewest turns/size to get the same uh or mh as the toroid.

Note to self, stock up on toroids for the next project that comes along.

Tnx agn for everyones help.

Until I get stumped again....

73's es gud DX!

Tom & Roxanne
WA1VAI/3

Date: Thu, 17 Aug 2000 07:41:28 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [77549] Re: Making the K2 a BIG DEAL in a QSO
Message-ID: <v03110702b5c17f5fccc6@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bill N7MFB writes;

>Question: Is anyone a little tired of people telling you in a QSO that they
>happen to be using a K2, and you get the feeling that they want to make that
>FACT the subject of the QSO?

I feel your pain Bill, I really do. Now lie on the couch, relax, and let's explore this K2 envy that I detect.

72,

Rick kf4ar

Date: Thu, 17 Aug 2000 04:51:05 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: crrandal@seidata.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77550] Regenerative RX Use (was Re: Really, really old radio receiver.)
Message-ID: <20000817115105.19247.qmail@web3001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

"Almost forgot. When you adjust the regen. control too far, you ARE xmitting a CW signal on the frequency that the set is tuned to. This was a really big problem in the cities in the twenties. Regen sets caused a lot of interference back then. You could be operating QRP and not even know it!

Randy KB8ASO"

This is probably the case with this particular regenerative receiver but it doesn't have to be this way with proper design. I wouldn't want to discourage regenerative receiver use in general.

<http://www.geocities.com/aa5tb/regen.html>

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Thu, 17 Aug 2000 08:16:38 -0400
From: "Shawn Upton" <shawn-upton@orgella.com>
To: <qrp-1@lehigh.edu>
Subject: [77551] TenTec 1340 Sidetone
Message-ID: <011401c00845\$2b6e7a00\$1b13bac6@eng.orgella.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I built this radio a couple of years ago; promptly blew it up with reverse power. Replaced the final and the four IC's, seemed to work ok. Never did use the radio. Fast forward to now.

Last night, I got out the 40m antenna and hooked it to my Argosy (via the antenna tuner). Verified that, w/o any adjustment, that the antenna was near resonance--low swr and all that. (10W forward, 1W back ish.) Then I hooked up the 1340 to the antenna, tried to transmit. Gives nothing but large static for a sidetone, bad swr.

Set the tuner to dummy load, pure sidetone and good forward power. Set tuner back to antenna, tried to reduce swr. Sidetone starts to sound better but the swr changes rapidly for small changes. Even tried to peak the antenna using the Argosy, it helped some but the 1340 still didn't seem to work right.

Sidetone seems to only work with pure 50 ohm load. What's up? Anyone else experienced this? I didn't get a chance to play with it last night, but I do know:

- a) radio was blown up once, other parts could still be bad internally
- b) sidetone is detected from the RF output--apparently a portion of it is feedback by the T/R switch (the back to back diodes, which seems to be kinda standard in qrp rigs).
- c) it's been a while since I went through and aligned the rig; perhaps something is just way off?

Thanks.
KB1CKT
Shawn Upton
Pembroke NH

Date: Thu, 17 Aug 2000 08:26:19 -0400
From: "Shawn Upton" <shawn-upton@orgella.com>
To: <qrp-1@lehigh.edu>
Subject: [77552] Saturn and HTX-202
Message-ID: <011a01c00846\$6dac1160\$1b13bac6@eng.orgella.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Perhaps nobody else has encountered this, but I have:

I am getting an intermittent noise on 2m, on certain freq's, that tends to disappear when I turn the headlights on. The noise tends to rise and fall intermittantly, sometimes is not there, then is rather strong--pulsing up to s5 on the radio. Turning headlights on seems to kill it usually. Dissapears when something else under the dash turns off--fuel pump relay? It's kind weird, I'm going to call Saturn today and see if they can help. But I thought I'd send this one out to the list, 'cuz you guys are so smart.

A slightly different question--same car, same 202, add a 11m rig. I get interference between the two on transmit, probably once again on certain frequencies. This is an old problem, started when I drove my dad's van. Back then, I had a 5/8 2m antenna and cheapie RS cb antenna, seperated by about a meter. Interference on channel 19 and 146.52MHz, didn't interfere on other freq/channels. Ok, probably some sort of harmonic/modulation product.

New car, same type cb antenna, smaller dual band antenna. I put both on rear decklid of Saturn, maybe 1m apart. No interference. Then I find out that the dual band antenna is scratching the decklid of my precious car, pop that off and go to a 1/4 wave 2m antenna on roof of car. Note that this distance is further--and the interference is back!

The only difference in the old setup was that there was about 30 degrees of polarization difference between the two antennas when both were on the trunklid. Would this be enough to reduce recieved signal strengths so that the harmonic reception/intermodulation products would no longer be recieved? Or am I nuts? Could it be some sort of bad power/bad ground/bad operator?

Thanks again.
KB1CKT
Shawn Upton
Pembroke NH

Date: Thu, 17 Aug 2000 08:42:20 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [77553] Re: Toroid Question
Message-ID: <002401c00848\$9aa0c970\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> Your idea for an article is quite good, but as you yourself have said,
> you get a lot of inductance for a few turns of wire using the toroid! I
> don't know of any other way to satisfy that requirement and still build
> the tiny radios that have taken over our hobby. Air wound inductors
> like B&W Miniductors are just plain big no matter what power ratings you
> use! Slug tuned coil forms don't seem to exist except at swap meets.
> Change the culture were size is concerned and maybe there is a hope!

Bruce,

Thanks for the feedback! I can't think of any suitable replacement for ferrite in a broadband transformer or high-inductance (100 uH) choke. But for applications where powdered-iron cores are used (HF tuned circuits, mostly) it seems that coils wound on simple cylindrical forms would be feasible. Somebody on the list a couple weeks ago asked about using a 1 Megohm resistor as a form for a wirewound resistor - why not a tank coil?

For that matter, I built an 80M transmitter with a pi-network inductor wound on a plastic pen barrel. The Bic "Round Stic" ballpoint pens - they come in packs of 10 I think, and are inexpensive - make nice forms. They're 0.3 inches in diameter, can be cut to length with a pocket knife, and it's easy to pierce holes in the side to hold the ends of the wire. It's a fairly simple formula to calculate the number of turns given a desired inductance, form diameter, and length. Coils like these aren't self-shielding like a toroid, but for a simple (i.e. big) layout it's not as important.

I think I feel an article coming on. (Grin) I need to come up with an easy way for people to determine the value of an inductance from a published article that just calls out "8 turns on a T50-2 core." It'd be a first step toward substituting a cylindrical coil.

Now if I can just come up with a sub for those ferrites!

Dave

Date: Thu, 17 Aug 2000 05:59:50 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [77554] MFJ-9040, power question
Message-ID: <20000817125950.18879.qmail@web2201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My MFJ-9040 only puts out 2 Watts when I run it off of
12.6 volts. I've tried adjusting it and that's the
max.

Is this normal or is something wrong?

If something is wrong, does anyone have suggestions?

You can send to me directly at: ke3fl@yahoo.com

tnx 72 & 73
de KE3FL

=====

Phil Karras, KE3FL
ke3fl@arrl.net
Alt: ke3fl@juno.com
Web: <http://www.qsl.net/ke3fl>

Do You Yahoo!?
Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Thu, 17 Aug 2000 08:12:10 -0500
From: "Randall" <Firefox@Southwind.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [77555] Wanted: Digital Volt Meter Circuit
Message-ID: <009a01c0084c\$c113a240\$175986d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all !

I am looking for a circuit, yes another one, using either a LED or LCD (LED preferred) readout for a compact DC volt meter. Maximum voltage would be at most 26V (dual 12V gel cells) and probably not over 16V. What I am doing is I would like to build a portable power supply and using a momentary switch, be able to get a voltage reading on the supply. It wouldn't have to be deadly accurate, within .2V would be OK with me.

Any help would be much appreciated.
thanks

Date: Thu, 17 Aug 2000 09:31:36 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [77556] Re: Wanted: Digital Volt Meter Circuit
Message-ID: <004101c0084f\$77f3aa30\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> I am looking for a circuit, yes another one, using either a LED or LCD
(LED
> preferred) readout for a compact DC volt meter. Maximum voltage would be at
> most 26V (dual 12V gel cells) and probably not over 16V.
> What I am doing is I would like to build a portable power supply and using
a
> momentary switch, be able to get a voltage reading on the supply.
> It wouldn't have to be deadly accurate, within .2V would be OK with me.

Some years ago QEX ran an article on a high-voltage transmitter supply, and the author used a pocket DVM he got on sale at Radio Shack for the front-panel meter.

Maybe one of the electronic surplus places that advertise on the Web has something inexpensive. In years past, people used to buy the evaluation kit that Intersil made for their DVM chip, put it in a case, and sell it as a portable voltmeter. Dunno if the kits are still available, but maybe somebody has an equivalent. Try searching for a "digital panel meter."

Dave

P.S. If it's any help, Marlin P. Jones & Associates (www.mpja.com) shows a simple digital meter module with scaling resistors to make a 0-20V meter.

Part #7537-ME, and this catalog shows a price of \$8.95. I've never bought anything from Jones, but there's some neat stuff in the catalog. D.

Date: Thu, 17 Aug 2000 09:57:17 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [77557] CONTEST: QRP Contesting - Aug 19/20
Message-ID: <3.0.6.32.20000817095717.007e71e0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

August 19/29, 2000  
~~~~~

NJ QSO Party (CW/SSB) *** QRP Competition ***

Aug 19 - 2000z to Aug 20 - 0700z

Aug 20 - 1300z to Aug 21 - 0200z

Rules: <http://www.njqrp.org/data/njqso2000.html>

*The New Jersey QRP Club is sponsoring a QRP Competition being held during the New Jersey QSO Party on the weekend of August 19-21.

QRP operators wishing to compete should send logs to the Englewood ARA, sponsor of the NJQP. (See Rules above).

You will be competing with all other stations.

Also send the summary of your log to NJQRP for your entry against fellow QRP stations. You may add 100 points to your score for each QSO with the NJQRP Club Station: WQ2RP.

(This is for the QRP Competition only). E-mail summary is accepted.

Awards will be issued!

Send To:

NJ QRP Club - WQ2RP

81 Holly Drive

Woodbury, NJ 08096
or e-mail to: N2CQ@Citnet.com

SARTG RTTY Contest

Aug 19 - 0000z to 0800z
Aug 19 - 1600z to 2400z
Aug 20 - 0800z to 1600z

Rules: <http://home.online.no/~jana1me/htmlrules/sartg.html>

Keyman's Club of Japan Contest (CW)

Aug 19 - 1200z to Aug 20 - 1200z

Rules: http://www2u.biglobe.ne.jp/~kcj/e_kcjrul.htm

SEANET Contest (All)

Aug 19 - 1200z to Aug 20 - 1200z

Rules: <http://www.arrl.org/contests/months/aug.html>

Oregon QSO Party (CW/SSB)

Aug 19 - 1400z to Aug 20 - 0400z

Rules: <http://www.empnet.com/codxc/>

North American QSO Party (SSB)

Aug 19 - 1800z to Aug 20 - 0600z

Rules:
<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=naqprules1>

LATER.....

~~~~~  
TOEC WW Grid Contest (CW)

Aug 26 - 1200z to Aug 27 - 1200z

Rules: <http://home.online.no/~jana1me/rules/toecgrid.txt>  
~~~~~

Slovenia Contest Club RTTY Championship

Aug 26 - 1200z to Aug 27 - 1200z

Rules: <http://www.sk3bg.se/contest/sccrychs.htm>
~~~~~

Hawaii QSO Party (CW/SSB) ... QRP Category

Aug 26 - 1600z to Aug 27 - 2200z

Rules: <http://home.online.no/~jana1me/htmlrules/qsohi.html>  
~~~~~

Ohio QSO Party (CW/SSB) ... QRP Category

Aug 26 - 1600z to Aug 27 - 0400z

Rules: <http://www.qsl.net/mrrc/oqp.html>
~~~~~

South Dakota QSO Party (CW/SSB)... QRP Category (Unconfirmed in 2000)

Aug 26 - 1600z to Aug 27 - 2200z

Rules: <http://home.online.no/~jana1me/rules/qsosd.txt>  
~~~~~

BUBBA Summer QRP Sprint *** QRP CONTEST! ***

Aug 26 - 1800z to 2200z

Rules: <http://www.extremezone.com/~nk7m/bubba00.htm>

~~~~~  
Colorado QRP Club - Summer QSO Party (SSB/CW) \*\*\* QRP CONTEST! \*\*\*

Aug 27 - 1800z to 2359z

Rules: <http://www.arrl.org/contests/months/aug.html>  
~~~~~

Thanks to K3WWP, LA9HW, SM3CER, WA7BNM, ARRL and others
for assistance in compiling this calendar.

Anyone may use this "QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.
(Include a credit to the source of this material of course.)

72 de
Ken Newman - N2CQ

N2CQ@ARRL.NET <http://www.NJQRP.org> <http://www.N3EPA.org>

Date: Thu, 17 Aug 2000 08:55:54 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'Firefox@Southwind.net'" <Firefox@Southwind.net>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [77558] RE: Wanted: Digital Volt Meter Circuit
Message-ID:
<4734702CFA3CD411A74A00805F57A3B703E3F450@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

You could easily adapt some of the digital panel meters (d.c. volts) that
B.G. Micro sells at bargain prices to do what you're looking for, Randall.
I'm not sure, but I think "ALL ELECTRONICS" in California has similar
digital panel meters.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Randall [SMTP:Firefox@Southwind.net]

Sent: Thursday, August 17, 2000 8:12 AM
To: Low Power Amateur Radio Discussion
Subject: Wanted: Digital Volt Meter Circuit

Hi all !

I am looking for a circuit, yes another one, using either a LED or LCD (LED preferred) readout for a compact DC volt meter. Maximum voltage would be at most 26V (dual 12V gel cells) and probably not over 16V.
What I am doing is I would like to build a portable power supply and using a momentary switch, be able to get a voltage reading on the supply.
It wouldn't have to be deadly accurate, within .2V would be OK with me.

Any help would be much appreciated.
thanks

Date: Thu, 17 Aug 2000 10:11:13 -0400
From: "CDF" <res043pa@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77559] Thanks To All
Message-ID: <000701c00855\$017ebf60\$88260b3f@hqgrnhba>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to thank all that responded to my hooking
up my laptop to my radio. It is now working great and
the young lady is having a blast.

73 Charlie

The truth is out there." This is who we are ! "

WA8CUL QRP-L #1752
Charles D. Feigley
1516 Toledo St.
Holiday, Florida 34690

Date: Thu, 17 Aug 2000 10:15:58 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77560] Re: Proposal
Message-ID: <1000717101557.KAA05793@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/13/00 2:37 PM, Monte Stark at ku7y@dri.edu wrote:

>It's not hard to see that the faster you work each station,
>the more you can put in the log. Simple math!

The operative word here is to WORK stations faster, not just SEND faster.

>If you are running stations at 30 wpm and someone else is
>running stations at 10 wpm, who is going to get the most
>in the log?

That depends. What's the point of going 30+ wpm if you have to send a bunch of fills to get the message across?

A lot of speed choice depends on the conditions, and the skill of the operators at BOTH ends.

Starting off a pileup fast and gradually getting slower seems like a good strategy for maximizing contacts.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
 -- Archibald Asparagus, VeggieTales

Date: Thu, 17 Aug 2000 07:24:56 -0700 (PDT)
From: Duane Alles <w9zm@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [77561] BayPac BP-2M
Message-ID: <20000817142456.12828.qmail@web511.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Is anyone using the BayPac BP-2Mpacket modem with the FT-2500M? I'm looking for the pinout.

Thanks in advance

72,
Duane, W9ZM

Do You Yahoo!?
Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Thu, 17 Aug 2000 10:36:31 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [77562] Doc K0EVZ a REAL A-1 operator
Message-ID: <71.5e44028.26cd526f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Congratulations to Doc, K0EVZ for being designated an A-1 operator.

This is the best news all week for me... and I even put up a new antenna!

72
-MAC-
AF4PS
Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643

QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
ARCI #9843, AR QRP #257, HI QRP #83, ARS # 751, Whiners #5,
SOC #28, West FL QRP, Flying Pig QRP #-51...
and various other annual \$15 commitments.

Date: Thu, 17 Aug 2000 10:45:49 EDT
From: RangerSF5@aol.com
To: ke3fl@yahoo.com, qrp-l@lehigh.edu
Subject: [77563] Re: MFJ-9040, power question
Message-ID: <64.5b91633.26cd549d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 8/17/00 9:00:48 AM Eastern Daylight Time, ke3fl@yahoo.com writes:

<<

My MFJ-9040 only puts out 2 Watts when I run it off of 12.6 volts. I've tried adjusting it and that's the max.

Is this normal or is something wrong?

>>

Look in the book and it shows where the board voltage regulator is located. They tend to act up so rock it from one side to another and then set it for 12 volts.

If this doesn't work,
mail me direct and i'll dig up my sheet.
Remember to first check voltage right where it comes in.

Bob

WA2HOQrp <tm>

Date: Wed, 16 Aug 2000 10:31:31 -0400
From: MARTIN J STRATTON <kc2cwn@juno.com>
To: Macstein@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [77564] Re: Antenna - Ok, time to do something.
Message-ID: <20000816.103133.9206.0.kc2cwn@juno.com>

Hi

I left my dipole hidden
on the roof.
I have worked sweden
and brazil on 15 meters.
No problem with qrp.
High power will cause
neighboring upstairs tenant
tv RFI. I worked a sked
around that problem.
Receives really good.
20M dipole fed wid 300 ohm
RS ladder line.

73 ES CUL DE Marty kc2cwn

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 17 Aug 2000 09:57:53 -0500
From: "Randall" <Firefox@Southwind.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [77565] FS: Red Hot Radio NC-40 Kit
Message-ID: <00e701c0085b\$85e075e0\$175986d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an unbuilt Red Hot Radio NC-40 for sale for \$125 shipped in the 48 states. Just don't have time for it and I just purchased a HW-9 too.

thanks

Date: Thu, 17 Aug 2000 11:06:39 -0400
From: "Brian" <brian@iquest.net>
To: <Macstein@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77566] Re: Doc K0EVZ a REAL A-1 operator
Message-ID: <001b01c0085c\$beeb99260\$2b05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Outstanding!

Doc, this is wonderful news.

72!

----- Original Message -----

From: <Macstein@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, August 17, 2000 10:36 AM
Subject: Doc K0EVZ a REAL A-1 operator

> Congratulations to Doc, K0EVZ for being designated an A-1 operator.
>
> This is the best news all week for me... and I even put up a new antenna!
>

> 72
> -MAC-
> AF4PS
> Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643
>
> QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
> ARCI #9843, AR QRP #257, HI QRP #83, ARS # 751, Whiners #5,
> SOC #28, West FL QRP, Flying Pig QRP #-51...
> and various other annual \$15 commitments.
>

Date: Thu, 17 Aug 2000 09:30:36 -0600
From: Ray Colbert <w5xe@juno.com>
To: nkristja@cadvision.com
Subject: [77567] Re: QF1 Info?
Message-ID: <399C051C.BF73D29@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I echo Mike's comments,
by all means hang onto it - an excellent outboard
audio filter. I also have the qf1a and there
have been times where I preferred the qf1 to it.
An excellent station add-on.
--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111
NCT2 (also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Why pay for something you could get for free?
NetZero provides FREE Internet Access and Email
<http://www.netzero.net/download/index.html>

Date: Thu, 17 Aug 2000 18:53:41 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: zikot@erie.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77568] Re: Toroid Question

Message-ID: <399C0A85.1EE6@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Tom and Roxy wrote:

> Could I simply calculate what the uh or mh value is for this
> toroid and make a air wound coil with the same value or
> possibly calculate the turn # and use the green toroid that

A word of caution I've missed in this thread:

If you replace more than one toroid per circuit with an air coil or
enclose the circuit with the air wound coils in a (small) metal cabinet,
you may run into trouble.

The cabinet influences the inductance and losses of the air coil. Air
coils in proximity will exhibit (unwanted) coupling, which can wreak all
kinds of havoc. I call the coupling unwanted, because it was most likely
not intended by the designer (because the toroids that were replaced
don't couple very well ...).

For comparison: in 2 m converters etc. band filters are usually made by
placing two air wound inductors side by side at a distance of a little
more than the coil diameter. Toroids are often found close together on a
PCB, too, but coupling is usually not the reason for their proximity.

Just my 2 Eurocents, though.

73,

--

Arjen Raateland
OH2ZAZ

Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Thu, 17 Aug 2000 12:22:10 -0400
From: "Robert W. Shaw" <lycott@fox.nstn.ca>
To: <qrp-l@lehigh.edu>
Subject: [77569] M15 telegraph printer instal. & maint. manual
Message-ID: <3.0.5.32.20000817122210.009bf3a0@fox.nstn.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I came across an old book someone might be interested in, TM11-353 War Department (Washington) Technical Manual, Installation and Maintenance of Telegraph Printer Equipment, dated 2 July, 1941. Condition is fair (cover is loose from the bound book). 400 pages about 6" X 9". M15 barpageprinter, WD-1701 for teletype M15, type 14 and 20 reperforator, W.E. 215-A differential polar relay. Source unknown and no equipment with it. There is a teletype printer (older than ASR33 - the old dome type, number unknown) with no case. It was used as a printer for a homebrew microcomputer in the 8008/8080/6801/6502 days. It was working last time I checked (agout 20 years ago). It too is available free, but is a bit heavy to ship.

If anyone is interested, it is theirs for the postage/shipping or pickup in Ottawa, Ontario!

72 de VE2SUY.

72/73 de Bob VE3SUY QRP-L #1187 Bob Shaw, Ottawa, Ontario. Low power Amateur Radio from Canada's National Capitol!

Date: Thu, 17 Aug 2000 12:37:53 EDT
From: BenNW7DX@aol.com
To: shawn-upton@orgella.com
Cc: qrp-l@lehigh.edu
Subject: [77570] Re: TenTec 1340 Sidetone
Message-ID: <e3.8b209db.26cd6ee1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Shawn -

I had the exact same problem with my TenTec 1320 that I built 2 years ago. Here is what I did to fix mine, and hopefully it will fix yours as well. Unfortunately, tentec didn't do too well designing the board for this rig, as there have been many complaints. It seems that L8, L9, and L10 in the top right corner of the board all oscillate because of their super close proximity. What you can do is move the turns on each torroid as far away from one another as you can. For example, move all the turns on L8 so that they are all facing the back of the board, away from the other torroids. Move the L9 turns away from T1, and finally, move all of the turns on L10 facing the front of the board.

This helped me with maybe 80-90 percent of my problems, but for the other problems, TenTec was unsure on what I should do (besides send it into them) :-)

I hope this helps you,

Ben - NW7DX
Seattle, WA

Date: Thu, 17 Aug 2000 12:47:57 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-1@lehigh.edu
Subject: [77571] Re: Doc K0EVZ a REAL A-1 operator
Message-ID: <v03110707b5c1c743b4c2@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Congratulations to Doc, K0EVZ for being designated an A-1 operator.

An A-1 op and an A-1 guy. Congratulations Doc!

72,

Rick kf4ar

Date: Thu, 17 Aug 2000 12:57:06 -0400
From: "Robert W. Shaw" <lycott@fox.nstn.ca>
To: <qrp-1@lehigh.edu>
Subject: [77572] Code on the Internet
Message-ID: <3.0.5.32.20000817125706.009a0b50@fox.nstn.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I teach an amateur radio course in Ottawa, including Morse Code. I would like to be able to offer CW practice on the WWW, but would like an efficient format for this. .WAV files I believe would be too long. Ideally, a "plug-in" that would accept text and a speed code, and reproduce the sound in the browser would be best, but I have no idea how to implement such a thing. We would be changing the practice text daily, and the speed weekly.

Any suggestions? I can do some CGI and HTML programming, but I can't see how this can help except with .wav files which would be gigantic for a 20 minute exercise! Anyone know of something along these lines?

We built 30 40M receivers some years ago and loan these out to students to listen to ARRL transmissions as well as sending out code practice nightly ourselves, but this is only at fixed times, and I would like the students to have one less excuse to not practice - I was busy at that time!

Thanks for any suggestions.

72/73 de Bob VE3SUY QRP-L #1187 Bob Shaw, Ottawa, Ontario. Low power Amateur Radio from Canada's National Capitol!

Date: Thu, 17 Aug 2000 10:01:23 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [77573] QRP DXing picking up
Message-ID: <399C1A63.5467@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After a lengthy summer lull in the action, my quest for the DXCC Millenium award / QRP (begun Feb 22, 2000) is now back on track. The most recent addition to the list are KH6ND/KH5, V51AS, V2/G4DIY, 3D2AG, and UA2BD. 15m has been the band of choice although the KH5 was worked on 40m with an acting-up trap vertical. The current tally is 84.

Also worked recently were FR5FD and 4W6MM, both on mornings on 20m and with that acting-up trap vertical. Power level 100W although I tried many times at 5W.

Congrats to K0EVZ also on his A1 op hood. I still aspire to achieve that degree of perfection at the paddles. At least FISTS and SOC accept all of us also-rans...

K7GT Allan

FISTS #3222 SOC #6

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Thu, 17 Aug 2000 13:14:05 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [77574] Re: Code on the Internet
Message-ID: <006e01c0086e\$8c5e9f10\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> I teach an amateur radio course in Ottawa, including Morse Code. I would
> like to be able to offer CW practice on the WWW, but would like an
> efficient format for this. .WAV files I believe would be too long.
> Ideally, a "plug-in" that would accept text and a speed code, and
reproduce
> the sound in the browser would be best, but I have no idea how to
implement
> such a thing. We would be changing the practice text daily, and the speed
> weekly.

Bob,

Take a look at MIDI files. They're the electronic equivalent of sheet music, and the browsers I use (Netscape and IE) recognize and play them just fine. They're quite small - the biggest one I have is 274 kbytes, and that's for over 36 minutes of music! (O Fortuna by Orff, which is a pretty busy piece.) You can download programs from the internet to compose and play them. (I think even MS Media Player knows MIDI, if your sound card driver supports it. Which most do any more.)

MIDI files themselves contain characters (for lack of a better word) that describe each note to be played: the pitch, loudness, duration, and (I think) even the attack and decay rates. Hang on...

Here's something I just found on the Web:

<http://www.myhost.com/rdey/robssoft.htm>

This guy has a program called CWMIDI that converts ASCII text to a MIDI file. If it works (and I don't know why it wouldn't, although I haven't tried it), you could run your daily practice text through it and make the resulting MIDI file the "background music" on a Web page. (I don't know the HTML to do that, but I know it can be done. I've been to several Web pages that have Muzak.)

Good luck!

dave

Date: Thu, 17 Aug 2000 11:17:43 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77575] LDG Electronics AT-11
Message-ID: <Pine.LNX.4.10.10008171109380.1151-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wonder how well others are liking the AT-11 tuner? I have decided my problems with it are not myself. It takes a long time to settle down in Auto and with a 50 ohm dummy load it never settles down on 10 meters!

I have 2 antenna's and it works on both but I must use Semi and then play with single step L and C to get it to work right. In Auto it never settles down to a low SWR. Often it stops with 3-1 SWR flickering. Then I go to Semi and play for a few minutes and get it to 1.5 -1 looking good.

My old MFJ 941 is faster with a list of settings I have made. Is something wrong with my AT-11 or do they all work this way?

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 17 Aug 2000 13:24:03 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [77576] Old regen receivers and Ross Hull
Message-ID: <v03110708b5c1c7e5dad8@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There is a great article on Ross Hull, 30s era VHF pioneer in the Sept. 2000 QST. Anyone interested in early VHF work or even early RC airplanes should read about Hull. The unfortunate death of Hull in 1938 ties into a thread on qrp-l this week considering old 20s and 30s vintage regenerative receivers. Hull was electrocuted working on his gear while wearing

headphones. The phones provided a ground path for a 4400 volt line that he accidentally touched.

One of the characteristics of many 20s, 30s and even 40s era regenerative receivers is the lack of an audio output transformer. This means the headphones are connected in series with the B+ of the power supply and the plate of the audio output tube. When using headphones with these old babies, you are wearing anywhere between 140VDC and 280VDC or even more between your ears. Call me a wimp, but that scares me. I've been around long enough to have hit a B+ line a time or 2 and it's no fun.

Last month I bought a 1931 National SW-3 regenerative receiver, a rig I've longed for since I was a teenager in the mid 60s. It is a rare first run of the SW-3 and I plan to keep it as original as possible but the headphones have the B+ flowing through them. One thing I have already done is mount a small audio output transformer in a bottom corner of the chassis, IMO it is much too dangerous to use the way it was originally designed. By adding the transformer the B+ path is now through the primary of the transformer and the headphones only have audio flowing through them. Purists would gasp at the idea of mounting an audio transformer in an SW-3, I'm sure. Granted thousands of hams have and probably will continue to use old receivers without output transformers but not this ham.

Anyone considering the restoration of a vintage receiver or building one from old plans should add an audio output transformer if one is not included.

BTW, my SW-3 is going to be part of a 30s era QRP station that I'm constructing. Anyone have any ideas for a matching early 30s QRP transmitter? I'm considering the "QSL-40" a 6L6 rig from 30s Handbooks.

72,

Rick kf4ar

Date: Thu, 17 Aug 2000 12:58:38 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: ianpurdie@integritynet.com.au
Cc: qrp-l@lehigh.edu
Subject: [77577] Re: Scrounging Parts
Message-ID: <200008171735.NAA08042@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

> Can those little inductors found in quantity in TVs and computer
> monitors be used as RF chokes? How can you tell? These inductors

Yes, I use them all the time, especially if I need the higher value
choke like the 100 uhy. 22 and 33 uhy's are also pretty commonly
found in VCR's and TV's.

> OF "CHOKES". In addition, some of these inductors have a small
> disk-shaped permanent magnet attached to one end of the core. Pulling
> off the magnet makes the inductance of the coil increase. What's the
> purpose of the magnet?

>

The choke with the magnet is found in the horizontal deflection
circuit. My guess is the magnet "pre-saturates" the core and keeps
the inductance stable as the current through the choke changes.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 17 Aug 2000 11:23:35 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77578] Re: Doc K0EVZ a REAL A-1 operator
Message-ID: <000001c00872\$fc1fa480\$308611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Standing "O" for Doc, can't think of a more deserving OP!

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: <Macstein@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, August 17, 2000 8:36 AM
Subject: Doc K0EVZ a REAL A-1 operator

> Congratulations to Doc, K0EVZ for being designated an A-1 operator.

Date: Thu, 17 Aug 2000 14:02:33 -0400
From: "CDF" <res043pa@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77579] Antenna Help Please
Message-ID: <001501c00875\$5239f620\$9e270b3f@hqgrnhba>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is for all of the antenna gurus that we have here on the list.
I just purchased a Hustler 4-BTV vertical for 10-15-20-40 meters. The
instructions say it can be ground mounted with or without radials. Now I'm
wondering,

I have a 4 foot fence around my small yard. What if I was to take and mount
this turkey on one of the upright support post. Would the fence act as a
sufficient ground plane. Comments needed please

73 Charlie

The truth is out there." This is who we are ! "

W8CUL QRP-L #1752

Charles D. Feigley
1516 Toledo St.
Holiday, Florida 34690

Date: Thu, 17 Aug 2000 13:08:50 -0500
From: "Rick Austin" <radio@capsales.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77580] Re: Code on the Internet
Message-ID: <002a01c00876\$347dd9c0\$90e48ace@ricksnote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

David,

It's already been done. Suggest you check out
<http://www.biochem.mcw.edu/Postdocs/Simon/radio/exam.html>

Rick Austin
KD5LAQ

----- Original Message -----

From: "Robert W. Shaw" <lycott@fox.nstn.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 17, 2000 11:57 AM
Subject: Code on the Internet

> I teach an amateur radio course in Ottawa, including Morse Code. I would
> like to be able to offer CW practice on the WWW, but would like an
> efficient format for this. .WAV files I believe would be too long.
> Ideally, a "plug-in" that would accept text and a speed code, and
reproduce
> the sound in the browser would be best, but I have no idea how to
implement
> such a thing. We would be changing the practice text daily, and the speed
> weekly.
>
> Any suggestions? I can do some CGI and HTML programming, but I can't see
> how this can help except with .wav files which would be gigantic for a 20
> minute exercise! Anyone know of something along these lines?
>
> We built 30 40M receivers some years ago and loan these out to students to
> listen to ARRL transmissions as well as sending out code practice nightly
> ourselves, but this is only at fixed times, and I would like the students
> to have one less excuse to not practice - I was busy at that time!
>
> Thanks for any suggestions.
>
>
>
> 72/73 de Bob VE3SUY QRP-L #1187 Bob Shaw, Ottawa, Ontario. Low power
> Amateur Radio from Canada's National Capitol!
>

Date: Thu, 17 Aug 2000 11:10:33 -0700

From: Bill Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [77581] Re: Scrounging Parts
Message-ID: <399C2A99.451B185E@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

In a recent message to qrp-1, Ian Purdie (VK2TIP) made mention of a small inductor with a disk-shaped permanent magnet attached. He went on to say that removing the magnet increased the inductance of the coil.

Did that suggest to anybody beside me that what we may have here is unique device to change the frequency of an oscillator?

Along the same line, I have a very interesting device in my junk box called a current controlled reactor. In a nutshell, the inductance of this specially wound transformer changes in direct proportion to the voltage placed across the primary. Bingo. A voltage controlled inductor. H-m-m-m-m. What do you suppose we could do with that?

Date: Thu, 17 Aug 2000 14:23:15 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [77582] Re: Scrounging Parts
Message-ID: <008b01c00878\$364baa00\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> Along the same line, I have a very interesting device in my junk box
> called
> a current controlled reactor. In a nutshell, the inductance of this
> specially wound transformer changes in direct proportion to the voltage
> placed across the primary. Bingo. A voltage controlled inductor.
> H-m-m-m-m. What do you suppose we could do with that?

Wenzel & Associates (supplier of low-noise oscillators & other toys) has an article on their Web page on using a "saturable core reactor" to improve stability on a wide-range PLL system:

<http://www.wenzel.com/pdf/files/crvco.pdf>

I had wondered about trying something like that with a plain vanilla T50-2 - two windings, one the tank coil for a VFO, the other a bias winding. Vary the current through the bias winding and see what happens to the oscillator frequency. I mentioned it to a co-worker who was a ham and a heck of an analog designer, and he said it would just flatten the peaks of the sine wave as the core saturated. I never bothered to try it, but I wonder sometimes...

Dave

Date: Thu, 17 Aug 2000 11:31:19 -0700
From: Bill Jones <kd7s@psnw.com>
To: dlh1009@ritvax.isc.rit.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77583] Re: Scrounging Parts
Message-ID: <399C2F77.111736CE@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sure wouldn't take long to try it.

David Hinerman wrote:

I had wondered about trying something like that with a plain vanilla T50-2 -

> two windings, one the tank coil for a VFO, the other a bias winding. Vary
> the current through the bias winding and see what happens to the oscillator
> frequency. I mentioned it to a co-worker who was a ham and a heck of an
> analog designer, and he said it would just flatten the peaks of the sine
> wave as the core saturated. I never bothered to try it, but I wonder
> sometimes...

>

> Dave

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Thu, 17 Aug 2000 14:34:07 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [77584] Re: Scrounging Parts
Message-ID: <009601c00879\$baad52c0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Bill,

It does if you don't have any cores. Let me know how it works out. (Grin)

Dave

P.S. I'm pretty sure it won't work for an air-core coil. It takes a LOT of current to saturate air. D.

> Sure wouldn't take long to try it.
>
> David Hinerman wrote:
>
> I had wondered about trying something like that with a plain vanilla
T50-2 -
>
> > two windings, one the tank coil for a VFO, the other a bias winding.
Vary
> > the current through the bias winding and see what happens to the
oscillator
> > frequency. I mentioned it to a co-worker who was a ham and a heck of an
> > analog designer, and he said it would just flatten the peaks of the sine
> > wave as the core saturated. I never bothered to try it, but I wonder
> > sometimes...
> >
> > Dave
>
> --
> -----
> Bill Jones - KD7S <><
> Sanger, California
> <http://www.psnw.com/~kd7s/>
> -----

>
>

Date: Thu, 17 Aug 2000 14:36:21 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [77585] QRP Homebrewer ... "QHB #3 Contents"
Message-ID: <009c01c0087a\$0d818c00\$84ca9cce@gheron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All -

I'm happy to report to everyone that issue #3 of QRP Homebrewer is at the printer and is being mailed to all subscribers early next week! Should be in domestic (US) mailboxes before the week is out.

This is the long-awaited "Spring" issue ... we are indeed quite late, and thank everyone for their indulgence. The delay has not been for lack of good technical material, but only for personal crises on the part of the editor/publisher (i.e., me). But things are all cleared up now and it's full steam ahead.

And the good news is that we're actually almost caught up, as we are now in the edit phase for issue #4 (Summer) and that should be on the streets during early September. (Yes, within 4 weeks subscribers will have yet **another** QHB issue, bringing us totally back onto schedule.)

Again, sorry for the delay and thanks so much for your continued patience and support. We're pretty sure you'll be pleased with this QHB -- and the number of quality articles on the drawing table right now is quite astounding. Continued great times ahead!

QRP HOMEBREWER #3 CONTENTS

PVC for Antenna Applications, by L.B. Cebik, W4RNL
A Universal, Tilt-Over Antenna Base, by George Heron, N2APB
What is the Best Antenna?, by Joe Everhart, N2CX
The Art of Kit Building, by Michael S. Fisher, WT9W
Books, Utilities & Websites for the Homebrewer, by Ron Polityka, WB3AAL
Atlanticon 2001 QRP Forum Announcement
The NJ Enclosure, by Joe Everhart, N2CX and George Heron, N2APB
Building the SMK-1 Enclosure Kit, by T. J. "Skip" Arey, N2EI

Build a Crystal Checker, by Dave Ottenberg, WA2DJN
A Manhattan Neophyte Receiver, by Jake Carter, N4UY
The NoGaWaTT SWR-Power Meter, by Mike Branca, W3IRZ
Converting the SMK-1 to Superhet, by Mike Branca, W3IRZ
The Transformer Checker, by Dave Ottenberg, WA2DJN

72, George N2APB
n2apb@amsat.org
Editor & publisher for QRP Homebrewer
by the NJQRP Club at <http://njqrp.org>

PS: The NJQRP website has been fully operational for several weeks now in its new server location. The URL stayed the same but if you are getting to it by cached addresses in your browser, it might still have the old DNS address ... try hitting "Refresh" in the browser's menus in order to update your cache.

Date: Fri, 18 Aug 2000 04:47:57 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77586] Re: Scrounging Parts
Message-ID: <399C335D.4139EA@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Bill Jones wrote:

> Friends,
>
> In a recent message to qrp-l, Ian Purdie (VK2TIP) made mention of a
> small inductor with a disk-shaped permanent magnet attached. He went on
> to
> say that removing the magnet increased the inductance of the coil.
>
> Did that suggest to anybody beside me that what we may have here is
> unique
> device to change the frequency of an oscillator?

Bill, actually that was an enquiry to my tutorial site (OK I don't know everything!). However in the vein you suggest I do have in my labyrinth of circuitry a special circuit for an oscillator, which is voltage tuned, but not your typical VCO as we know it, which is claimed to be VERY linear and works on the very principles you are suggesting.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
URL - <http://www.electronics-tutorials.com/>

Date: Thu, 17 Aug 2000 12:51:46 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Steve Yates <aa5tb@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77587] Re: Regenerative RX Use (was Re: Really, really old radio receiver.)
Message-ID: <Pine.SUN.4.10.10008171245250.24350-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 17 Aug 2000, Steve Yates wrote:

> "Almost forgot. When you adjust the regen. control too far, you ARE xmitting
> a CW signal on the frequency that the set is tuned to. This was a
> big problem in the cities in the twenties.

Not to mention the German U-boats in WWII. They hurriedly built some regen receivers to detect the British airborne radars. There were scores of U-boats sunk by the British Southerlands, not by their radars, but by simply listening for the carriers emitted by their radar regen detectors.

> I wouldn't want to discourage regenerative receiver use in general.

Placing a simple RF amplifier between the antenna and regen stage will help considerably with the amount of radiation getting back to the antenna.

72, Paul NA5N

Date: Thu, 17 Aug 2000 14:54:29 -0400 (EDT)

From: "John L. Sielke" <w2agn@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77588] RE: Doc K0EVZ a REAL A-1 operator
Message-ID: <XFMail.000817145429.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Well deserved. Doc is ALWAYS there for a contact in a contest or whatever. (He was one of the ones I worked from the Lighthouse, even. And a SUPER fox (even if the band was dead here to ND that night..grumble,grumble). THREE CHEERS!

John W2AGN

(wondering if this means he is drummed out of the SOC?)

On 17-Aug-00 Macstein@aol.com wrote:

> Congratulations to Doc, K0EVZ for being designated an A-1 operator.
>
> This is the best news all week for me... and I even put up a new antenna!
>
> 72
> -MAC-

Date: Thu, 17 Aug 2000 15:03:32 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: res043pa@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77589] Re: Antenna Help Please
Message-ID: <399C3704.F50A2DE7@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The fence method has been used by our local club with the 4-BTV at field day for several years. They strapped the antenna to the fence that goes around a little league baseball field.

73
Paul AJ4Y

Date: Thu, 17 Aug 2000 13:59:11 -0500
From: Randy & Cara Randall <crrandal@seidata.com>
To: aa5tb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77590] Somewhat OT Re: Regenerative RX Use (was Re: Really, really old radio receiver.)
Message-ID: <399C35FF.CC1305E8@seidata.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It was the case with most of the simple 1 or 2 tube regens of that era. (Much worse than the regen was the super regen. We had pagers at work that used a super regen reciever. If two people carrying pagers were within 6 feet of each other, neither pager worked. The things were junk too. 97% failure rate per year. Made by L.M. Ericson.) Nice thing was in an emergency you had an xmitter! Granted very low power, but still there. The sets with an RF stage did not for the most part have this problem.

Randy.

Steve Yates wrote:

> "Almost forgot. When you adjust the regen. control too far, you ARE xmitting a CW
> signal on the frequency that the set is tuned to. This was a really big problem in
> the cities in the twenties. Regen sets caused a lot of interference back then. You
> could be operating QRP and not even know it!
>
> Randy KB8AS0"
>
> This is probably the case with this particular regenerative receiver but it doesn't have to be this
> way with proper design. I wouldn't want to discourage regenerative receiver use in general.
>
> <http://www.geocities.com/aa5tb/regen.html>
>
> =====
> 73,
> Steve Yates - AA5TB

> Fort Worth, TX - EM12gs
> <http://www.geocities.com/aa5tb>
> aa5tb@arrl.net
>
> -----
>
> -----
> Do You Yahoo!?
> Send instant messages & get email alerts with Yahoo! Messenger.
> <http://im.yahoo.com/>

--

"No one gives an oink about prom night or football, 'cause just gettin' home from school safe is a gamble and a blessing..."--Billion Dollar Babies, Alice Cooper

Date: Thu, 17 Aug 2000 14:00:18 -0500
From: "Randall" <Firefox@Southwind.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [77591] Re: Red Hot Radio NC-40 Kit
Message-ID: <01d501c0087d\$63656ee0\$175986d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Red Hot NC-40 kit has been sold.

----- Original Message -----

From: "Randall" <Firefox@southwind.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 17, 2000 9:57 AM
Subject: FS: Red Hot Radio NC-40 Kit

>
> I have an unbuilt Red Hot Radio NC-40 for sale foe \$125 shipped in the 48
> states. Just don't have time for it and I just purchased a HW-9 too.

>
> thanks
>

Date: Thu, 17 Aug 2000 14:21:36 -0500
From: "Brian Olson" <brolson@ties.k12.mn.us>
To: <qrp-1@Lehigh.EDU>
Subject: [77592] Update Flavorig
Message-ID: <NDBBJPBMGLKJGANKJAEJEEBIDBAA.brolson@ties.k12.mn.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Latest on the 80m Flavorig. Converted cheapo transistor radio. It works. Covers 3.693MHz to 3.754MHz. Receive is fine but comes with the usual background noise. It has RIT and it is needed for tuning. Transmits 2 watts out at 12 volts. I was getting a little over a watt at 11.6 volts. Article says it will operate from 10 - 13.8 volts. Receiver worked fine on a 9 volt battery.

Built the receive section first and confirmed it worked ok before building the transmitter. Because the receive and VFO sections are put on the original transistor board this took the most time and planning. The VFO section is the same as the one on this web site www.qrp.pops.net/VFO.htm (QRP HomeBuilder web site) it seems very reliable. "Tune up is very easy" says the article's author Michael Jay Geier KB1UM, yes, if you know what your doing. I tried using short-wave receivers and a heathkit grid meter to tune with and ended up all over the place. This sent me into the land of guess the cap value (thanks for those who sent ideas). What worked was using another transmitter as the author suggested. Seems everything worked right with original values. Beware of tuning using receivers and finding your oscillator as reference. Next I'll listen for on the air feedback. If I have time will be on the air tonight from Sakatah State Park, Mankato, MN., around 3.710MHz time unknown except evening.

Except for the original article FLAVORIG in 73 Amateur Radio, Nov. 1989, I have found little written about this project, too bad.

Brian R. Olson
N0XFE
Bloomington, MN

Date: Thu, 17 Aug 2000 15:24:27 -0400
From: "Scott Hotchkiss" <w4pj@bellsouth.net>

To: <res043pa@gte.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77593] Re: Antenna Help Please
Message-ID: <001c01c00880\$c34fd900\$14d34dd8@w4pj>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mounted on a pole with the base just
above fence level and "ground connection" to
the fence is a good substitute for ground mounted
and large numbers of radials. Been there/done that.
de W4PJ

Scott R. Hotchkiss
Fort Lauderdale, Florida
----- Original Message -----

From: "CDF" <res043pa@gte.net>
What if I was to take and mount this turkey on one of the upright support
post. Would the fence act as a sufficient ground plane.

Date: Thu, 17 Aug 2000 13:44:12 -0600
From: Ray Colbert <w5xe@juno.com>
To: res043pa@gte.net
Subject: [77594] Re: Antenna Help Please
Message-ID: <399C408C.E19CDE5@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can try it, I never had too much luck on my
fence which is a 5 ft chainlink type. Adding a
couple of radials for the different bands and
running them parallel to the fence seemed to
help considerably. I have seen other writings
from folks that had a successful antenna system
just by itself on the post. You won't know for
sure until it is mounted and contacts attempted.
73

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111

NCT2 (also w5xe@juno.com El Paso,(FAR WEST) TEXAS

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Date: Thu, 17 Aug 2000 14:47:39 -0500
From: "George , W5YR" <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77595] Re: Antenna Help Please
Message-ID: <399C415B.D1F06D78@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While this fence mounting is frequently done, you need to be aware that there are drawbacks that you might want to consider:

The fact that the fence is basically metal does not guarantee that the various parts of the fence are electrically connected. Thus, there may be less there to serve as a counterpoise or whatever than meets the eye.

Further, if there are any poor electrical (corroded) joints in the structure, each of these can function as a semiconductor and generate all manner of harmonics, etc. the levels depending upon how much power you run.

Finally, if you are counting on the fence posts to provide earth-ground connections, keep in mind that they may have been mounted in concrete and be rather well insulated from actual earth.

A fence is an attractive antenna mount, but you might want to look it over carefully.

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

> What if I was to take and mount this turkey on one of the upright support
> post. Would the fence act as a sufficient ground plane.

Date: Thu, 17 Aug 2000 15:58:24 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [77596] Making the K2 a BIG DEAL in a QSO
Message-ID: <000501c00885\$80d09600\$0201a8c0@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On the other hand we can talk about when we play a country music record backwards our home life improves, the truck starts, drinking problem goes away, and the dog likes me again.

I found one thing about contacts is talk about something other than QTH, NAME, And RST. Sometimes I ask about fishing in the area, or a scenic attraction. Weather is nice, but I like to find out other things. I talked to a fellow once in an area where I was going to be on a job assignment and found out some stuff ahead of time.

For those with the time and ability to build a K2 great. I will enjoy my contact just as much with either the 2020 or 520. Let me tell you about my SG 2020!

Chuck Mabbott AA8VS

"The following sentence is true,
the previous sentence is false.
This leaves us....."

Date: Thu, 17 Aug 2000 16:20:14 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77597] Using NiMH Batteries
Message-ID: <399C48FE.7D3A8044@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have been reading about using AA and C cells for portable power. AE5X has lots of good information on his web site about their use.
(www.qsl.net/ae5x).

Has anyone tried using rechargeable NiMH batteries instead of standard

batteries? I know that my digital camera will only take less than a dozen pictures with standard AA's...but with the rechargeable it lasts a LONG time.

73

Paul AJ4Y

--

Polk County Chapter American Red Cross:
<http://www.redcross.org/fl/polkcounty>

Date: Thu, 17 Aug 2000 16:33:40 -0400
From: w2xn@juno.com
To: qrp-l@lehigh.edu
Subject: [77598] Fw: Antenna Help Please
Message-ID: <20000817.163600.-788239.5.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Charlie,

I would like to make a couple comments about your questions on mounting the Hustler 4-BTV antenna either on the ground or chain link fence.

First, I have a Hustler 4-BTV, ground mounted, no radials and no "top hat". I live in an antenna restricted mobile home park, and had to hide it inside a PVC pipe, put a loop at the top with a rope and fly the flag to put it up. The park thinks I have a "flag pole". (chuckle) I do, it's just a special type of flag pole.....

I am able to work QRP to Calif (I live in Florida), Canada, and into the Carribean islands so far, and also as far as Russia. Also have worked it QRO to Greenland, Antartic, Alaska, Japan, and some little obscure islands in the Indian Ocean.

As far as the mounting on the chain link fence, this is exactly what we do at Field Day for our CW station antenna. It has worked very well for us at Field Day.

A word or two of caution, make sure you put the RF traps in the feed line both at the antenna and at the receiver, and don't mount it any closer than 15 feet to any metal objects like awnings, cars, metal sheds. Don't mount any closer than 15 feet to the chain link fence, unless, you are mounting it on the chain link fence.

Fred W2XN w2xn@arrl.net
Lakeland, FL
ARRL, ARES, Skywarn #POL-007, VE
QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709, fpQRP #126
=====

The truth is out there." This is who we are ! "

WA8CUL QRP-L #1752
Charles D. Feigley
1516 Toledo St.
Holiday, Florida 34690

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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<http://dl.www.juno.com/get/tagj>.

A few years ago, I was participating in one of the CW DX contests. I remember listening to an "S5" with an "H" in his suffix and his memory keyer set to 40 WPM. I listened for very long time and still am not sure I got it correctly.

The remedy is "tincture of time". Keep listening and with time, practice and patience - your ears and brain will get it right.

73,

Damon, W7MD

Toby Deinhardt wrote:

>
> I'm gonna go nuts real soon now - how on earth does anyone
> manage sepearate much less learn s (dididt), h (didididt)
> and 5 (dididididt). All I hear are several beeps which might
> be dididt or maybe didididt or maybe even dididididt, but
> then again t'was didididt t'wasn't it?
>
>

Date: Thu, 17 Aug 2000 21:19:47 GMT
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [77600] Energizer e^2 Titanium Technology Cell
Message-ID: <F177XXfl0EhkClFlq9e00000fb3@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Questions, I have questions!

After seeing an ad about the new Energizer e^2 (e-squared) Titanium Technology Cell, I did some surfing. At www.energizer.com I found a lot of fluff. I'm interested in real data. How much does, say, an AA cell weigh compared with a normal alkaline cell? What effect do different ambient temperatures have on performance? What does its voltage curve look like? How does it compare, for instance, to the Energizer Hi Energy Lithium, which is light weight and powerful, but very environmentally hostile? Is anybody interested in doing some practical testing? Thanks!

Bruce Prior N7RR

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 17 Aug 2000 16:24:16 -0500

From: "George , W5YR" <w5yr@att.net>
To: w7md@azstarnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77601] Re: [Elecraft] s h 5
Message-ID: <399C5800.AD2A37C0@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, Toby, at the top of the list: FORGET ABOUT COUNTING DOTS!

As a former code instructor for the Air Force (was that really nearly 50 years ago?!), I can tell you that you must learn to respond to the rhythm of the characters and not to their dot/dash makeup.

In the case of S, H, and 5 try this:

"S" is a short character that has an odd-symmetry to its sound. The three elements give it a waltz-like rhythm. The "R" is a good example of this rhythm, with the accent on the middle dah element.

"H" is a medium length character with an even-symmetry. The even number of elements makes its rhythm completely different from the S. Like a fox-trot if you like dance metaphors.

"5" is like the S but much longer. The odd-symmetry is still there, though.

Words will never convey one person to another how a character sounds and is received, but the concepts of rhythm, symmetry and comparative length can be useful to some.

Try this: put some S's, H's and 5's into your memory keyer in some random order. Play them back first at about 15 wpm and then increase the speed to 20-25. At some point, you should be able to clearly hear the difference between the three characters. Don't worry about telling which is which - the idea is to show yourself that they DO sound different from one another. Even at 40 wpm, there is a clear difference.

I agree with the "tincture of time" recommendation. But spend that time wisely and listen for the things that count - and you DON'T count! <:}

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

"Damon S Raphael, MD (w7md)" wrote:

> The remedy is "tincture of time". Keep listening and with time,
> practice and patience - your ears and brain will get it right.

Date: Thu, 17 Aug 2000 14:26:32 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Hambooks <ham-books@qth.net>, For Sale <forsale-swap@qth.net>
Subject: [77602] Technical and Math Books For Sale
Message-ID: <Pine.BSI.3.96.1000817142521.5325A-1000000@usr05.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the following electronic and math books for sale:

1. Arguimbau, Lawrence B., "Vacuum-Tube Circuits and Transistors," Wiley/Tuttle (Modern Asia Edition), 1956, hbk, VG+/G-- with owner's initials at end of pages. DJ has moderate edge wear and a few chips. Overall, a fairly nice copy.
\$15.00
2. Bevitt, William D., "Transistors Handbook," Prentice-Hall, 1956, hbk, VG/G-- with no markings inside, moderate wear and some chipping to dj. This was the first handbook for transistors, as it says on the DJ.
\$12.50
3. Brillouin, Leon, "Wave Propagation in Periodic Structures, 2nd ed.," Dover, 1953, pbk, G+/- with no markings, very little wear. This book is primarily concerned with the propagation of electric waves in crystals, with some content dealing with transmission lines.
\$7.50
4. Gardner, M.F. and J.L. Barnes, "Transients in Linear Systems, Vol. 1," Wiley, 1942, hbk, VG-/ - with minor bumping to bottom edge of cover and spine and no markings other than owner's name inside FC.
\$12.50
5. Hoag, J. Barton, "Basic Radio: The Essentials of Electron Tubes and Their Circuits," Van Nostrand, 1942,

hbk, Xlib G--/- . This book originally belonged to a RCAF radio school library and has a considerable amount of wear, including a small amount of water damage to the bottom edge. Spine worn at top and bottom, cover at extremities. However, there are no markings on the pages.
\$7.50

6. Horner, F., "Monograph on Radio Noise of Terrestrial Origin," Elsevier, 1962, hbk, Xlib VG/- with library stamp inside FC and on title page, call number on spine, very slight rubbing to spine and cover. Overall a nice copy of an important work on radio noise.
\$12.50.

7. Ketchum, Donald J. and E. Charles Alvarez, "Pulse and Switching Circuits," McGraw-Hill, 1965, hbk, G-/- with very slight wear but some moisture damage to top of first quarter of pages. Spotless otherwise. This text covers both late vacuum tube and early transistor pulse circuitry.
\$10.00

8. Mandl, Matthew, "Handbook of Modern Electronic Data," Reston, 1973, hbk, VG-/G++ with small piece cut from corner of FFEP (owner's name?) and very small tears and edge wear to DJ. Predominantly transistor oriented with some information on tubes, this books is a rudimentary reference book for technicians.
\$10.00

9. Marcus, A. & W. Marcus, "Elements of Radio, 3rd ed.," Prentice-Hall, 1953, hbk, Xlib G+/- with usual library markings inside only, slight wear to outside overall, no markings elsewhere. Actually very nice considering it came from a public school library.
\$12.50

10. Markus, John and Vin Zeluff, "Handbook of Industrial Electronic Circuits," McGraw-Hill, 1948, hbk, Xlib G+/- with usual library markings including green "DISCARD" on title page. Very moderate edge wear, and no markings on pages. This book is full of industrial vacuum tube applications.
\$12.50

11. Powell, Richard F., "Teting Active and Passive Electronic Components," Marcel Dekker, 1987, hbk, Xlib VG+/- with

usual library pocket and markings, but otherwise spotless.
A rudimentary book on testing.
\$10.00

12. RCA, "RCA Receiving Tube Manual RC-26," Radio Corporation of America, 1968, pbk, G-/- with moderate wear overall, hinges well worn but not loose, writing and tape residue on BC, but pages clean.
\$7.50

13. RCA, "RCA Transistor Manual SC-12," Radio Corporation of America, 1966, pbk, G+/- with slight wear overall, moderate wear to bottom of spine, numerous note on page 454, but clean otherwise. Nice copy of an early transistor data book.
\$10.00

14. Richter, Walter, "Fundamentals of Industrial Electronic Circuits, 1st ed.," McGraw-Hill, 1947, hbk, VG-/- with owner's name on FFEP, very light foxing overall, no markings on pages. Very good text on vacuum tube theory and applications.
\$12.50

15. Stoll, Robert R., "Linear Algebra and Matrix Theory," McGraw-Hill, 1952, hbk, Xlib G-/- with usual library markings and pocket. Moderate wear all over spine and cover, no markings on pages. Good basic text on matrix theory.
\$10.00

16. Valdes, Leopoldo B., "The Physical Theory of Transistors," McGraw-Hill, 1961, hbk, G+/- with owner's name on FFEP, underlining in first four chapters. Very slight wear to cover. Excellent early work on semiconductor theory.
\$12.50

17. von Tersch, L.W. and A.W. Swago, "Recurrent Electrical Transients," Prentice-Hall, 1953, hbk, G-/- with moderate wear to spine ends and cover corners. No markings on pages, owner's name inside FC. An early text on wave-shaping with vacuum tubes.
\$10.00

Prices are exclusive of shipping costs. For US, add \$3.50 for first book, and \$1.50 for each additional. Canada and foreign dependent on actual cost. Payment in US\$ in advance by cheque or money order. Books will be held for 14 days after confirmation. Money orders preferred, checks accepted from established customers. All dustjackets are protected with Brodart covers, and paperbacks

are in plastic sleeves.

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Graphics by Loek Frederiks

Date: Thu, 17 Aug 2000 15:55:54 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Richard E. Robinson" <rerobins@email.uncc.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77603] Re: Doc K0EVZ a REAL A-1 operator
Message-ID: <Pine.LNX.3.95.1000817155521.12523A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Way to go Doc!.....well deserved I must say....good form!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Thu, 17 Aug 2000, Richard E. Robinson wrote:

> >Congratulations to Doc, K0EVZ for being designated an A-1 operator.
>
> An A-1 op and an A-1 guy. Congratulations Doc!
>

> 72,
>
> Rick kf4ar
>
>

Date: Thu, 17 Aug 2000 18:17:38 -0400 (EDT)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: "Richard E. Robinson" <rerobins@email.uncc.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77604] Re: Making the K2 a BIG DEAL in a QSO
Message-ID: <Pine.BSI.4.05L.10008171812060.5143-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 17 Aug 2000, Richard E. Robinson wrote:

> Bill N7MFB writes;
>
> >Question: Is anyone a little tired of people telling you in a QSO that they
> >happen to be using a K2, and you get the feeling that they want to make that
> >FACT the subject of the QSO?
>
> I feel your pain Bill, I really do. Now lie on the couch, relax, and let's
> explore this K2 envy that I detect.

Perhaps Bill doesn't tell folks what rig he uses. I'm always interested in what produces the signal at the other end. Sometimes the mere mention of a rig I used to own brings back memories of things like checking for RF with my finger to see if a 6L6 really put out RF, or unknowingly working multi-band QRP with an HT-18 vfo.

Of course, some rigs don't need announcements...I can usually "hear" a Drake.

Sometimes when I mention I have a K2, the op on the other end actually asks questions...and if I can answer them, the mention of rig may have been of some assistance.

Perhaps we'd better just say "rig here is solid state".

../..
baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster

<http://www.baltimoremd.com/>
<http://www.baltimorehon.com>
<http://www.min.net/~thom/>

Baltimore's Home Page
Home of the Baltimore Lexicon
QRP and Drake Mail List Pages

Date: Thu, 17 Aug 2000 15:12:41 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [77605] Re: Energizer e^2 Titanium Technology Cell
Message-ID: <399C6359.6E57@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A set of Energizer e^2 is going with us in about 1.5 weeks on our week-long Sierra Nevada backpack trip. The local Target had a good price on them (\$3.79 per AA 4-pack) and a \$1 coupon that applied to one of the packs. For our upcoming trip, I also have AA Ultras (forget who makes them??) and AA lithiums. The e^2 cells look like an evolutionary step rather than revolutionary step from the other alkaline cells. Weight seems to be roughly the same (although I haven't gotten out the scales yet!)

The lithium cells are REALLY LIGHT. Way cool!

The e^2s are very nicely packaged and marketed, but I am not sure if there is any substantive difference as compared to the older technology. It would be nice if the Energizer people would update their entire web page complex at the same time they add the advertising/pitchman pages.

GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Thu, 17 Aug 2000 15:15:52 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [77606] Re: [Elecraft] s h 5
Message-ID: <399C6418.36EA@qsl.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Other interesting calls encountered at outrageous code speeds within the past few months are 6V6U and 5B4AGC. The S5s are always interesting, too, as they like to crank it up a bit.

You cannot count dots but rather must feel the entire pattern.

Enjoy the buzz in trying to copy these gems!

GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Thu, 17 Aug 2000 17:21:34 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [77607] Re: Old regen receivers and Ross Hull
Message-ID: <00c101c00899\$8143da20\$0e014d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was unfortunate about Ross Hulls death but it must be remembered that with 4400 volts of B+ that 180 volts looked like ground. Also that if your headset and cord were in good repair then there is very little chance of a shock. Lets not scare everyone. You would not use an electric drill with a frayed cord or one side of the line shorted to the frame either. Also a number of headsets had no exposed metal and used insulated plugs. Further in the ARRL handbooks of the day (I have them) they state that you should not trouble shoot your equipment with headsets on. I say go ahead and use your vintage headsets with your vintage gear but, like all old stuff, check it out first.

Mike Branca W3IRZ in Conyers Georgia

Date: Thu, 17 Aug 2000 18:25:17 EDT
From: Macstein@aol.com

To: k7gt@qsl.net, qrp-1@lehigh.edu
Subject: [77608] Re: [Elecraft] s h 5
Message-ID: <e8.8bf1410.26cdc04d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 08/17/100 5:18:27 PM EST, k7gt@qsl.net writes:

> 6V6U and 5B4AGC. The S5s are always
> interesting, too, as they like to crank it up a bit.

HA! I'm not going to tell how many different ways I copied down 5B4AGC. I hit the RUFUS for some practice after that nite.

-MAC-
AF4PS

Date: Thu, 17 Aug 2000 18:35:29 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [77609] Re: [Elecraft] s h 5
Message-ID: <000e01c0089b\$7459d010\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> Other interesting calls encountered at outrageous code speeds within
> the past few months are 6V6U and 5B4AGC. The S5s are always
> interesting, too, as they like to crank it up a bit.

Allan,

Are those callsigns or tube numbers? (Grin)

Dave

Date: Thu, 17 Aug 2000 17:49:00 -0500
From: George F Franklin <w0av@juno.com>
To: crrandal@seidata.com
Cc: qrp-1@Lehigh.EDU
Subject: [77610] Re: Somewhat OT Re: Regenerative RX Use (was Re: Really, really

old radio receiver.)

Message-ID: <20000817.175022.-544199.2.w0av@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang

Don't knock the super regen RX's and their radiation (squeals): in the early days on 112 (before 144) MHz. and 56 MHz. (before 50 MHz.) we could always tell if anyone was listening. No squeals almost always meant there was no use calling CQ. A keyed superregen RX squeal made for some really juicy notes. A one-tube "self quenched" circuit using a type 27 tube was very popular (cheap and easy).

Try determining if anyone is listening with your new high tech RX!

Several of us used to work "regen CW" on 160M before WW2 around the St. Louis, MO area. My best DX was about 20 miles, over to the Illinois side of the Mississippi.

Also, we would connect a carbon (telephone) mike in series with the RX ground lead (to water pipe or station ground) and work AM phone for a mile or more.

This was known as DX with no TX. Talk about QRPP!

72/73/74 de George/W0AV

SOC#101

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End of QRP-L Digest 1916

